DOCUMENT RESUME

ED 226 983 SE 040 724

AUTHOR	Schwab, Judith L., Ed.
TITLE	Social Sciences in Forestry. A Current Selected Bibliography, No. 59. Cumulative Author Index.
INSTITUTION	Virginia Polytechnic Inst. and State Univ., Blacksburg. Div. of Forestry and Wildlife Resources.
SPONS AGENCY	Forest Service (DOA), Washington, D.C.
PUB DATE	Oct 82
NOTE	84p.
PUB TYPE	Reference Materials - Bibliographies (131) -- Collected Works - Serials (022)
JOURNAL CIT	Social Sciences in Forestry; n59 Oct 1982.
EDRS PRICE	MF01/PC04 Plus Postage.
DESCRIPTORS	Business; Conservation (Environment); Economics; *Forestry; *Lumber Industry; *Natural Resources; *Publications; Resource Materials; *Social Science Research; *Social Sciences

ABSTRACT

Provided in this document is a bibliography of selected materials addressing the interface between forestry and the social sciences. Materials include articles appearing in United States and foreign professional journals, bibliographies, conference proceedings, completed theses/dissertations, and other types of publications. A subject-matter classification scheme, in outline format, is provided at the beginning of the document. Entries (numbered 2584-2966) are listed alphabetically by author according to the topics indicated in this scheme. Major topic areas include social science applied to: (1) forestry at large; (2) forestry's productive agents; (3) forest production; (4) manufacturing; and (5) marketing, trade, and demand for forest output. Each entry includes citation number, author(s), title, source, year, number of pages, and a code related to specific sections in the subject-matter classification scheme. In addition, if the publication is not in English, the language used is indicated. Brief annotations are provided for most entries. A cumulative author index for 1982 is included, with reference to citation number. Citations 1753-2169 appear in issue 57 (February 1982), 2170-2583 appear in issue 58 (June 1982), and 1584-2966 appear in issue 59 (October 1982). (JN)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED226983

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
√ This document has been reproduced as received from the person or organization originating it.
☐ Minor changes have been made to improve reproduction quality.
• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

NO. 59

SOCIAL SCIENCES in FORESTRY

A CURRENT SELECTED BIBLIOGRAPHY

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
Anne W. Larbey
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

SE040724

CUMULATIVE AUTHOR INDEX

JUDITH L. SCHWAB, EDITOR
DEPARTMENT OF FORESTRY
SCHOOL OF FORESTRY & WILDLIFE RESOURCES
VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY
BLACKSBURG, VIRGINIA 24061

OCTOBER 1982

SOCIAL SCIENCES IN FORESTRY

A Current Selected Bibliography

No. 59 October 1982

COOPERATORS ABROAD

Seppo Ervasti
Helsinki, Finland

Werner A. Kroth
Munich, West German Fed. Rep.

Benjamin Olivares P.
Valdivia, Chile

Israel Acosta Contreras
Bogota, Colombia

Nikolaos Stamou
Thessaloniki, Greece

Cho Eung Hyouk
Daejeon, Korea

Finn Helles
Copenhagen, Denmark

E.A. Ochieng Obado
Nakuru, Kenya

Gonzalo Fernandez Tomas
Madrid, Spain

J.P. Newton
United Kingdom

Chaw-Ming Chen
Taipei, Taiwan

Takuro Kishine
Kyoto, Japan

Ing Jiri Ruprich
Brno, Czechoslovakia

Christian Camous
Paris, France

George F. Taylor II
Bamako, Mali

Harold P. Sandstrom
Merritt, Canada

Ian S. Ferguson
Canberra, Australia

M. Van Miegroet
Gent, Belgium

Generous cooperation by the staff of the Carol M. Newman Library is acknowledged with thanks.

Judith L. Schwab
Editor

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
School of Forestry and Wildlife Resources
Department of Forestry
Blacksburg, Virginia 24061

With support from the United States Department of Agriculture, Forest Service

SOCIAL SCIENCES IN FORESTRY is published three times a year by the Department of Forestry, School of Forestry and Wildlife Resources, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061, USA. The February issue contains a special appendix of theses and dissertations in progress, the June issue contains a subject index, and the October issue provides a cumulative author index for the year. Subscription is free upon request. Copies of material cited cannot be provided by the editor.

SOCIAL SCIENCES IN FORESTRY

Subject-Matter Classification Scheme

Note: This outline is regarded as working for the most part from the general to the specific. Material covering two or more sections of this outline is classified in the most general of these sections. Material which is classifiable in any of two or more sections is classified in the most specific of these sections. *Asterisks mark those subjects which are not represented in this issue.

I. SOCIAL SCIENCE APPLIED TO FORESTRY AT LARGE

A. General principles, scope, content, method

B. History, status, prospects of forestry in an area, society in an area (This section includes material on forest resources alone, as opposed to that on consumer or intermediate resources alone, for which see appropriate sections.)

*1. General
2. United States, Canada
3. Other north-temperate nations
4. South-temperate nations
5. Nations in lower latitudes

C. Law, politics, policy, plan, program, and their administration

D. Other influences

1. Taxation

a. General
b. Property, general and special; severance; lieu payment
c. Income, inheritance, other

2. Valuation (See also IIIA5i)
3. Insurance
4. Social interest, value system, custom, folklore, culture
*5. Characteristics of the individual
6. Public relations, other

E. Research (For research on specifc topics, see those topics.)

F. Professional and subprofessional affairs, education, employment of foresters

G. Social and economic development (See also IB)

H. Environmental concern

II. APPLIED TO FORESTRY'S PRODUCTIVE AGENTS
(See also the individual operation or type of output in III, IV, V)

A. Labor (Some material on labor will be found in IF, IV)

1. General, employment, demand
*2. Supply, union
3. Wage, cost hours, productivity, technology, training, return, benefit
4. Working condition, turnover, absenteeism, safety, insurance
*5. Characteristics of the worker

B. Owner, ownership, manager, entrepreneuer, holding (See also IC, IIC3)

1. General
2. Public

*a. General
b. Federal, central
c. Regional, local

3. Private

a. General
b. Industrial
c. Nonindustrial

C. Land

*1. Context of supply, requirement, etc.
2. Description, use trend and status, interpreted description
3. Management, use prospect and plan, planning, marketing, tenure
*4. Research method

D. Capital

1. General, investment, interest, finance

(For investment in forest production, see IIIE; for that in manufacturing, see IVA4)

*2. Credit

III. APPLIED TO FOREST PRODUCTION (See also IIB, C)

A. Production including nontimber commodities and services

1. General, supply, multipurpose management
2. Christmas trees, greens
3. Range and livestock
*4. Naval stores, maple product
5. Recreation

   a. General
   *b. Research
   c. Decision making, planning, policy, law
   d. Demand, consumer, market
   e. Parks and wilderness areas
   *f. Interpretation
   g. Aesthetic values
   h. Consumer activities such as driving, walking, camping, etc.
   i. Valuation

*6. Water, soil, watershed management, shelterbelts
7. Wildlife, hunting, fishing
8. Urban forestry

B. Production chiefly of timber

1. General, supply
*2. Soil, site, site improvement
*3. Tree regeneration and improvement; plantation
*4. Intermediate cutting, pruning, stand improvement
5. Harvest cutting, rotation, cutting cycle, stocking, regulation, allowable cut
   (For harvesting treated as engineering, see IVB)

*C. Roads, other forest-management transportation
(For transportation in harvesting, see IVB4; in manufacturing and marketing, VD)

D. Damage and protection

1. From fire
*2. Prescribed burning
3. From insects
4. From other agencies

(For water damage and soil erosion, see IIIA6)

E. Decision making, planning, investment, accounting, inventorying
(For investment in general, see IID1)

IV. APPLIED TO MANUFACTURING
(For material on forestry in general, including forest land resources, see IB)

A. The industry in general

1. Status and trend

a. General
b. United States, Canada
c. Other north-temperate nations
*d. South-temperate nations
e. Nations in lower latitudes

2. Directory
(Includes those covering specific branches of industry.)
*3. History
4. Decision making, planning, investment, accounting, inventorying
(For a specific branch of industry, see that branch, "Operation of firm"; for investment in general, see IID1)

B. Timber-harvesting industry
(Includes roundwood in general; for specific types, see IVC, "raw material." For harvesting as silviculture, see IIIB4, 5)

*1. Status and trend
2. Operation of firm
3. Utilization of the stand or tree
(For utilization of a specific product, see the branch of industry in question.)

*a. General
*b. Logging residue and its disposal

*4. Transportation (Skidding, yarding, loading, hauling to mill. For transportation in forest management, see IIIC; in manufacturing and marketing, see VD)

C. Wood-using industry

1. Lumber, allied product, pallet

a. Industry status and trend

*b. Production, consumption, stocks, other statistics
(For sawtimber, see IB, IVB; for sawlogs, see IVC1d)
*c. Operation of firm
d. Raw materal

2. Pulp, paper, board

a. Industry status and trend
b. Operation of firm
c. Raw material
*d. By-products

3. Veneer, plywood, panel

a. Industry status and trend
b. Operation of firm
*c. Raw material

*4. Bark, chips other residue
(See also IVB3 and the industry branch in question, "Operation of firm.")
*5. Furniture
*6. Particleboard, hardboard, fibreboard, flakeboard
7. Construction
8. Charcoal, fuelwood, other combustibles; energy
*9. Other wood-using industry (including pole, piling, post, mine timber, railway tie)

D. Other forest industry

*1. Decorative product
*2. Naval stores
*3. Maple product
4. Other

V. APPLIED TO MARKETING, TRADE, DEMAND FOR FOREST OUTPUT
(For marketing and demand for productive agents, see II)

A. Consumption

1. General; history of consumption; consumption-production relationships
2. Consumption or production prospect, goal, requirement, prediction (For material on short-term requirement, see the industry in question in IV, "Industry status and trend.")
*3. Consumer demand and preference
(For material on specific forest resources, see also IIIA,B)

B. Market, marketing, trade, export, import

1. General
*2. Futures, hedging
3. Stumpage, roundwood
4. Lumber, plywood, composition board
5. Pulp, paper, paperboard

a. Product
*b. Raw material

*6. Other wood products
7. Christmas trees, greens
*8. Other type of output (See also IIC3)

C. Price, value

1. General
2. Stumpage, roundwood
*3. Other type of output
*4. Price reporting

*D. Transportation (Includes transportation in manufacturing.) (For transportation in forest management, see IIIC; in harvesting see IVB4)

SOCIAL SCIENCES IN FORESTRY

A Current Selected Bibliography

Issue 59

2584. 59 IA BLUDOVSKY Z. "Topical Problems of Forest Economy." Lesnictvi, Vol. 28, No. 6 (1982) In Czech. Pages 443-444.

2585. 59 IA CROW A.B. Theses and Dissertations in Forestry, Wildlife, Fisheries, and Related Subjects at Louisiana State University. Baton Rouge, Louisiana. LSU Agric. and Exp. Stn. (1981), 4 pages.

2586. 59 IA SINGH K.D., LANLY J.P. "Towards a Global Computerized Forest Resources Information System." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 258-266.

2587. 59 IA SLAMA O. "Human Factor in Forestry." Lesnictvi, Vol. 28, No. 4 (1982) In Czech. Pages 261-264.

2588. 59 IA Joint Working Party on Forest Economics and Statistics (in Europe and North America). Report of the thirteenth Session, Geneva, 9-12 June 1981. FAO, Geneva. Joint ECE/FAO Agric. and Timber Div. (1981) In English and French. 26 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2589. 59 IB2 BASSETT P.M., OSWALD D.D. Timber Resource Statistics for Southwest Washington. USDA Forest Service Resource Bulletin PNW-91 (1981), 24 pages. Summary of 1978 timber-resource inventory of six counties in southwest Washington: Clark, Cowlitz, Lewis, Pacific, Skamania, and Wahkiakum; with tables of forest area, timber volume, growth, mortality, and harvest.

2590. 59 IB2 BASSETT P.M., OSWALD D.D. Timber Resource Statistics for the Olympic Peninsula, Washington. USDA Forest Service Resource Bulletin PNW-93 (1981), 31 pages. Summarizes a 1978-79 timber resource inventory of five counties in the Olympic Peninsula of Washington. Includes detailed tables of forest area, timber volume, growth, mortality, and harvest.

2591. 59 IB2 BECHTOLD W.A., KNIGHT H.A. Florida's Forests. USDA Forest Service Resource Bulletin SE-62. (1982), 84 pages. Since 1970, area of commercial forest land has

declined by 597,000 acres. Growing-stock volume on commercial forest has increased from 11.6 to 13.6 billion cubic feet. Net annual growth has increased from 33 to 50 cubic feet per acre of commercial forest. The acreage planted to pine each year has declined by 24 percent, pine sapling-seedling stands have decreased by 14 percent, and hardwood sapling-seedling stands have increased by 39 percent. Growing-stock removals have increased by 56 percent. About 1 acre was replaced by a manageable stand for every 2 acres harvested and retained in forest. Opportunities exist to improve production on 7.3 million acres of forest.

2592. 59 IB2 BROOKS P.R. The Forest Resources of New York, a Summary Assessment. Available from Forest Resources Planning, NYS Dept. of Environmental Conservation, 50 Wolf Road, Albany, NY 12233 (1981), 140 pages.

2593. 59 IB2 DENNIS D.D., BIRCH T.W. Forest Statistics for Ohio - 1979. USDA Forest Service Resource Bulletin NE-68 (1981), 79 pages. Statistical report on the third forest survey of Ohio conducted in 1978 and 1979 based on data from remeasured and new ten point variable-radius plots. Includes current status of forest land area, timber volume, and annual growth and removals as well as timber products output by timber industries, based on a 1978 updated canvass of manufacturers.

2594. 59 IB2 FARRENKOPF T.O. Forest Statistics for Eastern Oregon, 1977. USDA Forest Service Resource Bulletin PNW-94 (1982), 28 pages. Summarizes a 1977 inventory of timber resources in 17 Oregon counties east of the crest of the Cascade Range. Supplies detailed data on forest area, timber volume, growth, mortality, and harvest.

2595. 59 IB2 FELT D.G. Forest Area and Timber Resource Statistics for State and Private Lands in Bernalillo, Sandoval, and Torrance Counties, New Mexico, 1978. USDA Forest Service Resource Bulletin INT-25 (1981), 22 pages. Land area, commercial timberland area, timber industry, and growth and mortality data based on Resources Evaluation standards.

2596. 59 IB2 FELT D.G., STERRETT V.J. Forest Area and Timber Resource Statistics for State and Private Lands in Northwestern Montana, 1977. USDA Forest Service Resource Bulletin INT-26 (1982), 29 pages. Land area, commercial timberland area, timber inventory, and growth and mortality data based on Resources Evaluation standards.

2597. 59 IB2 HACKETT R.L. Forest Area in North Dakota, 1980. USDA Forest Service Research Note NC-275 (1982), 4 pages. In 1980 North Dakota's forest resources covered

513,100 acres of land, a slight decline from the 572,400 acres reported in 1954. Area of commercial forest land dropped from 398,400 acres to 343,200 acres. The aspen forest type makes up 41 percent of the commercial forest area.

2598. 59 IB2 HODGINS B.W., BENIDICKSON J., GILLIS P. "The Ontario and Quebec Experiments in Forest Reserves, 1883-1930." Journal of Forest History, Vol. 26, No. 1 (1982), pages 20-33.

2599. 59 IB2 JAKES P.J., SMITH W.B. A Second Look at North Dakota's Timber Land. USDA Forest Service Resource Bulletin NC-58 (1982), 86 pages. Second inventory of North Dakota forest resources shows a decline in commercial forest area between 1954 and 1980. Includes text and statistics of forest area and timber volume, growth, mortality, ownership, stocking, future timber supply, timber use, forest management opportunities, and nontimber forest resources.

2600. 59 IB2 KNIGHT H.A., MCCLURE J.P. Multiresource Inventories -- Forest Biomass in South Carolina. USDA Forest Service Research Paper SE-230 (1981), 27 pages. Over the next decade, at least 16.7 million tons of forest biomass could be harvested annually without adversely affecting timber supplies. This amount of energy wood is roughly equivalent to the total green weight of industrial roundwood products harvested in South Carolina in 1977.

2601. 59 IB2 LINDBERG R.D., HOVIND H.J. Wisconsin's Forests an Assessment. Dept. of Natural Resources, Bureau of Forestry, Box 7921, Madison, Wisconsin 53707. (1980), 83 pages. Includes information on forest ownership, forest protection, timber resource and use, outdoor recreation, fish and wildlife programs, minerals, wild resources, wetlands, and water.

2602. 59 IB2 MAURER J.C. "Identifying Prime Forestland in Michigan's Upper Peninsula." Journal of Forestry, Vol. 80, No. 9 (1982), pages 588-590. Michigan's Upper Peninsula is extremely dependent on its forests for its well-being. Timberlands are being lost to other uses. A grassroots approach was developed to identify prime forestlands and to ensure the retention of these areas for tree growth.

2603. 59 IB2 NAVON D.I., OSWALD D.D. "Forest Management in the United States of America." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 341-354. Includes: historical and legal background, present state of the forest, institutional setting for forest management and planning, basic information for forest management, structure and practice of forest management, forest management planning, monitoring systems in forest management, and forest management research.

2604. 59 IB2 POWELL D.S., CONSIDINE T.J. JR. An Analysis of Pennsylvania's Forest Resources. USDA Forest Service Resource Bulletin NE-69 (1982), 97 pages. Forest area, timber volume, biomass, timber products, timber's role in the state's economy, growth and removals. Forest area, volume, growth and removals are projected through 2008. Detailed treatment of water, soil, minerals, fish, wildlife, and recreation as they relate to forest resources.

2605. 59 IB2 RAILE G.K., SMITH W.B. A Simulated Inventory Update: Wisconsin's 1979 Timber Resource. USDA Forest Service Research Paper NC-209 (1982), 40 pages. Presents Wisconsin timber resource statistics that were updated by the tree growth projection subsystem of the Forest Resources Evaluation Program (FREP).

2606. 59 IB2 SHEFFIELD R.M. Forest Statistics for Southeast Georgia, 1981. USDA Forest Service Resource Bulletin SE-6? (1982), 30 pages. Since the fourth inventory of the forest resources of Southeast Georgia in 1971, the area of commercial forest land has declined by 264,000 acres. Commercial forests now occupy 7.2 million acres. About 40 percent of commercial forest land is under forest industry control. Inventory of softwood growing stock has increased by nearly 10 percent since 1971, while inventory of hardwood growing stock has increased by 18 percent.

2607. 59 IB2 SPENCER J.S.JR. The Fourth Minnesota Forest Inventory: Timber Volumes and Projections of Timber Supply. USDA Forest Service Resource Bulletin NC-57 (1982), 72 pages. The fourth inventory of Minnesota's forest resources shows a 21 percent increase in growing-stock volume between 1962 and 1977, from 9.4 to 11.5 billion cubic feet. Contains text and statistics on timber volume, growth, mortality, removals, and future timber supply.

2608. 59 IB2 WALKER L.C. "The Texas Timber Industry in the 1980s." Texas Business Review, Vol. 54, No. 4 (1980), pages 226-229.

2609. 59 IB2 WETTON F. "Canadian Forests: Past, Present and Future." The Forestry Chronicle, Vol. 58, No. 1 (1982), pages 11-14.

2610. 59 IB2 Moving Forestry and Wildlife into the 80s. Proceedings Hawaii Forestry Wildlife Conference. Published by the U.S. Department of Agric., Forest Service (1981), 88 pages.

2611. 59 IB2 Report of the Tenth Session of the North American Forestry Commission, Patzcuaro, Michoacan, Mexico. FAO Rome, Forestry Dept. (1980) In English and Spanish. 39 pages. Cited in FAO Documentation 82/3-4.

2612. 59 IB3 BERKOVITCH I. "Increasing the Productivity of Forests: Some Early Successes in Sweden." West African Technical Review (April 1982), pages 59 -61. Cited in TRADA Library Bulletin, Timber Research and Development Association, Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2613. 59 IB3 BLUDOVSKY Z. "Economic Stimuli of Enhancing the Production and Complex Use of Wood." Lesnictvi, Vol. 28, No. 6 (1982) In Czech with Russian, English, German and French summaries. Pages 511-524.

2614. 59 IB3 DAVIES E.J.M. "Forestry in Dumfries and Galloway." Forestry, Vol. 55, No. 1 (1982), pages 79-89. In 35 years the forested area has increased from 4 percent to 22 percent of the land surface. Productivity and production are climbing and the new forests provide substantial benefits to the tourist industry and over a thousand jobs.

2615. 59 IB3 DIMITROW ST., GULEW W. "35 Years Socialist Forestry of the People's Republic of Bulgaria." Soz Forstwirtsch, Vol. 30, No. 2 (1980) In German. Pages 61-63. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2616. 59 IB3 FAVRE L.A. "Forest Conditions in the Canton of Neuchatel." J For Suisse Schweiz Z Forstwes, Vol. 131, No. 8 (1980) In French. Pages 707-725. Cited in Bibliography of Agriculture, Vol. 46, No. 3.

2617. 59 IB3 FAVRE L.A. "Forests in Neuchatel." J For Suisse Schweiz Z Forstwes, Vol. 131, No. 12 (1980) In French. Pages 1075-1078. Cited in Bibliography of Agriculture, Vol. 46, No. 3.

2618. 59 IB3 GOTTFRIED G.J. "Forests and Forestry in Israel." Journal of Forestry, Vol. 80, No. 8 (1982), pages 516-520.

2619. 59 IB3 HAGGSTROM B. "Some Comments on 'Today's and Tomorrow's Forestry...' and 'Spruce Forestry without Thinning....'" Tidskr Sver Skogvardsforb, Vol. 78, No. 6 (1980) In Swedish. Pages 41-44. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2620. 59 IB3 HUGHES J.D., THIRGOOD J.V. "Deforestation, Erosion, and Forest Management in Ancient Greece and Rome." Journal of Forest History, Vol. 26, No. 2 (1982), pages 60-75.

2621. 59 IB3 JANEBA V. "Wood Consumption in the Economy of the CSSR and Possible Ways of Increasing Its Production in Forestry." Lesnictvi, Vol. 28, No. 6 (1982) In Czech with Russian, English, German and French summaries. Pages 471-485.

2622. 59 IB3 LINERT L. "Forests in Early Switzerland, Vol. 108, No. 47 (1980) In German. Pages 32-33. Cited in Bibliography of Agriculture, Vol. 46, No. 1-2.

2623. 59 IB3 NOVOTNY V. "Forecasts of Forestry Development." Lesnictvi, Vol. 28, No. 6 (1982) In Czech with Russian, English, German and French summaries. Pages 455-470.

2624. 59 IB3 POPELAR V., KOPRIVA S., BUDOVSKY Z., PLIBERSEKOVA L. "Statistical Survey of Forest Management of the CSSR during the 6th Five-Year Plan Period (second part)." Lesnictvi, Vol. 28, No. 5 (1982) In Czech. Supplement pages 13-22.

2625. 59 IB3 THIRGOOD J.V. Man and the Mediterranean Forest: A History of Resource Depletion. Academic Press, Inc., New York, NY (1981), 194 pages.

2626. 59 IB3 YOUNG J.D. "Forestry, Agriculture and Land Husbandry: An Humanist Appraisal." The Commonwealth Forestry Review, Vol. 60, No. 4 (1982), pages 47-50. Problems of semantics derived from innacurate translations of seventeenth century records and resulting confusion to economic historians.

2627. 59 IB3 Forestry in Taiwan, Republic of China. Taiwan Forestry Bureau (1981) Forest resource, management, administration of reforestation, forest products and industries. Public and private forest, experimental forests of the University of Taiwan.

2628. 59 IB3 Republic of Korea - Forestry for Local Community Development. FAO, Rome, Forestry Dept. (1981), 64 pages. Cited in FAO Documentation 82/3-4.

2629. 59 IB3 "Forest Enterprises and Forested Areas - Results of the Agricultural Report and the Agricultural Census in 1979." Wirtschaft und Statistik, Federal Statistics office, Wiesbaden, No. 6 (1982) In German. Pages 452-457. Reports the census results according to size of enterprises, their legal status, income, and available workforce.

2630. 59 IB4 BUNN E.H. "The Nature of the Resource." New Zealand Journal of Forestry, Vol. 26, No. 2 (1981), pages 162-199. Assessment of New Zealand's timber resources and management.

2631. 59 IB4 ROCKELL J.D. "Land Use and Forestry." New Zealand Journal of Forestry, Vol. 26, No. 2 (1981), pages 136-146.

2632. 59 IB4 TSURUTA I. Forestry Production in New Zealand (Part 2) Intensified Use of Timber. Translated from the Mokkokikai Graphic by the New Zealand Dept. of Internal

Affairs. (1981), 21 pages. Cited in TRADA Library Bulletin. April 1982. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND. England.

2633. 59 IB4 VYSKOT M. "Greek Forestry." Lesnictvi, Vol. 28, No. 5 (1982) In Czech. Pages 435-440.

2634. 59 IB4 Australian Forest Resources 1980. Dept. of Primary Industry - Forestry Branch - Canberra: AGPS. ISBN 0 642 068232. Available from Government Publishing Service (Australia) (1981), 43 pages.

2635. 59 IB5 AULLO URECH M. Forestry Development of Panama. Legislation and Public Administrataion on Natural Renewable Resources in Panama. Working Document 3 (1981) In Spanish. 244 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2636. 59 IB5 BACKER M. Forestry Development Project, Sarawak. Forestry, a Contribution to Society (and development of Sarawak). FAO Rome, Forestry Dept. Working Paper 2 (1981), 17 pages. Cited in FAO Documentation 82/3-4.

2637. 59 IB5 CAUFIELD C. Tropical Moist Forests, the Resource, the People, the Threat. Earthscan, 10 Percy Street, London W1P 0DR (1982), 67 pages.

2638. 59 IB5 FEARNSIDE P.M., RANKIN J.M. "Jari and Development in the Brazilian Amazon." Interciencia, Vol. 5, No. 3 (1980), pages 146-156. Cited in Bibliography of Agriculture, Vol. 46, No. 1-2.

2639. 59 IB5 FENTON R.T. Forestry Development Project, Sarawak. Economic Data for Forestry Planning in Sarawak. Field Document 4. FAO Rome, Forestry Dept. (1980), 36 pages. Cited in FAO Documentation 82/3-4.

2640. 59 IB5 HEWETSON C.E. "Indian Forests Re-visited." Quarterly Journal of Forestry, Vol. 76, No. 3 (1982), pages 173-181.

2641. 59 IB5 LAWTON R.M. "Natural Resources of Miomba Woodland and Recent Changes in Agricultural and Land-use Practices." Forest Ecology and Management, Vol. 4, No. 2 (1982), pages 287-297. Renewable natural resources of the area are discussed and evaluated. Population growth, changes in social attitudes and economic considerations have led to changes in the agricultural system which has caused a scarcity of natural resources. Value of exotic pine and eucalyptus plantations, which grow well in the high rainfall areas, and their economic future are considered.

2642. 59 IB5 MOLINA E. Forestry Development, Panama. Extension for Conservation in Panama. Working Document 7 (1980) In Spanish. 32 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2643. 59 IB5 NETTO S.P. "National Forest Inventory in Brazil." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 213-226.

2644. 59 IB5 PLUMWOOD V., ROUTLEY R. "World Rainforest Destruction - The Social Factors." The Ecologist, Vol. 12, No. 1 (1982), pages 4-22. Shifting cultivators have been blamed for the destruction of the world's tropical forests while modern development ideas may be the real cause of deforestation.

2645. 59 IB5 POULSEN G. Malawi the Function of Trees in Small Farmer Production Systems. FAO Rome (1981), 65 pages.

2646. 59 IB5 SEBIRE R.A. "Resource Review - Forests and Forest Industries of the Philippines." Aust For Ind J Aust Log, Vol. 46, No. 10 (1980), pages 10-11, 13, 16, 18-19. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2647. 59 IB5 SOGUNLE A. "Our Economic Trees Are in Danger of Extinction: Iroko, Mahogany Fading Out." The Nigeria Trade Jnl., Vol. 27, No. 4 (1980), pages 12-15. Cited in TRADA Library Bulletin Feb. 82. Timber Research and DDevelopment Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2648. 59 IB5 WALKER E.W., NAUTIYAL J.C. "Some Possibilities in the Economic Development of Liberia through the Forestry Sector." Forest Ecology and Management, Vol. 4, No. 2 (1982), pages 179-189. Emphasis is placed on the establishment of integrated wood-processing facilities comprising sawmilling, veneer and plywood manufacturing and particleboard production. Data for 1974 are used to formulate a simple illustrative linear programming model for determining the minimum investment needs for achieving specified levels of value-added.

2649. 59 IB5 Tropical Forest Resources Assessment Project (in the framework of the Global Environment Monitoring System - GEMS). Forest Resources of tropical Asia. Technical Report 3, FAO, Rome, Forestry Dept. (1981), 481 pages. Cited in FAO Documentation 82/3-4.

2650. 59 IC BROOKS P.R., BARTOW K.E. Issues Report on the Forest Resources of New York. Available from Forest Resources Planning, NYS Dept. of Environmental Conservation, Room 404, 50 Wolf Road, Albany, NY 12233 (1981), 31 pages.

2651. 59 IC BROOKS P.R., HENDREN K.H., MCCANN B.D. "Grand Experiment: State Forest Resources Planning." Journal of Forestry, Vol. 80, No. 9 (1982), pages 585-587, 590. Planning as a profession has come only recently to comprehensive forest resource management. State forest resources planning has been chiefly inspired by federal support. Its processes usually emphasize

comprehensiveness, a focus on issues, public participation, and direct links with state agency budgets. Occurrence and scope of accompanying state forest resources assessments vary widely. Forest resources planning is now being carried out in 47 states, but only 4 states have supporting legislation. Budgets and staffs are generally small.

2652. 59 IC BROOKS P.R., KASHDAN L. Proceedings of the New York State Forest Resources Planning Symposium. Available from New York State Dept. of Env. Conservation, Room 414, 50 Wolf Road, Albany, NY 12233. (1980), 65 pages.

2653. 59 IC BYRON R.N. "Forecasting and Forestry Planning." Australian Forestry, Vol. 44, No. 4 (1981), pages 247-259. The general approach to long term forestry planning has not been guided by the rationality of economics. In attempting to develop an economic dimension in such planning a number of deficiencies in information and areas for future research in forest economics have become apparent. A conceptual model of the economics of a State forestry/sawmilling sector is presented and discussed as an alternative planning framework.

2654. 59 IC CHAMBERS A.D. "Prime Forestland Preservation Legislation: the Current Situation in British Columbia." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 247-250.

2655. 59 IC CONTRERAS A., GREGERSEN H. "Policy Consideratons in Forestry Project Evaluations." Journal of Forestry, Vol. 80, No. 6 (1982), pages 363-364. It is important to distinguish between an economic analysis of a forestry investment project within a given policy environment and economic analysis of the effects of the policies creating the environment. If the distinction is not made, misunderstanding and misallocation of resources can occur.

2656. 59 IC COOPER A.W. "Allocation of Federal Lands: NFMA as an Example." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 7-11.

2657. 59 IC CRAIG G.A. Federal Timber Policy and Private Timber Prospects. Berkeley, CA, Univ. of Calif., School of Forestry and Conservation. S.J. Hall Lectureship in Industrial Forestry (1980), 16 pages.

2658. 59 IC ELLEFSON P.V., CUBBAGE F.W. "State Forest Practice Laws." Environmental Policy and Law, Vol. 6, No. 3 (1980), pages 125-133.

2659. 59 IC HAROU P.A. "The Financial and Economic Analysis Stages of Forestry Projects." From the Bulletin of the Royal Forestry Society of Belgium, 88, No. 4 (1981) In French. Pages 157-169.

2660. 59 IC HELLES F., LORENZEN U. "Forest Planning. Uncertain Period of Economic Planning." Ugeskr Jordbrug, Vol. 125, No. 50 (1980) In Danish. Pages 1191-1195. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2661. 59 IC HODAPP W., STUEWE E., STEINHAUSER U. "Law, Taxation, and Insurance of Forestry Cooperatives." Auswertungsund Informationsdienst fuer Ernaehrung, Landwirtschaft und Forsten (AID), Bonn 2, publication No. 189 (1982) In German.

2662. 59 IC HOUSLEY R.M., BEAVERS J.R. "The Effect of Wood for Energy in National Planning." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 77-81.

2663. 59 IC JARVELAINEN V.P. "Effectiveness of Forest Policy on Small Woodlands." Contributions of Working Party 4.06.01 to the 17th IUFRO Congress 1981, Kyoto, Japan. Silva Fennica, Vol. 15, No. 1 (1981), 89 pages. Collection of nine papers considers theoretical and methodological aspects as well as empirical research problems associated with the evaluation of the effectiveness of forest policy measures.

2664. 59 IC LIN W.J. "The Allocation of Financial Resources for Forestry Development in Taiwan." Chin. Q.J. For., Vol. 15, No. 1 (1982) In Chinese. Pages 83-86.

2665. 59 IC MACDONALD L.H. "Agro-Forestry, Fuelwood and the United Nations University." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 188-200. Since 1978 research and advanced training activities have been carried out on fuelwood and agro-forestry. From this work, policy implications are being drawn.

2666. 59 IC PIDOT J.R. "Maine's Land-Use Regulation Commission." Journal of Forestry, Vol. 80, No. 9 (1982), pages 591-593, 602. Maine's ten-year-old Land-Use Regulation Commission plans and zones one half of the state, mostly lands owned by forest industry. Under a comprehensive plan that guides decisions on permits for development, lands are classified into three major zones: protection, development, and management. Forestry activities are allowed on most of the lands. Issues in administraton of the system include land-owner acceptance, enforcement, salvage of budworm-threatened trees in protected zones, and increasingly intensive harvest of timber.

2667. 59 IC PRATS LLAURADO J., SPEIDEL G. Public Forestry Administrations in Latin America. FAO, Rome, Forestry Dept. (1981), 184 pages. Cited in FAO Documentation 82/3-4.

2668. 59 IC REIMERS M.A. "The Direct Effect of Legislation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 56-60.

2669. 59 IC TEEGUARDEN D.E. "Strengths and Weaknesses of NFMA." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 12-15.

2670. 59 IC TORRENCE J.F. "Public Involvement from a Federal Agency Point of View." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 36-38.

2671. 59 IC WALLINGER R.S. The Forestry Study Committee of South Carolina 1955-1980. Westvaco, P.O. Box WV, Summerville, SC 29483 (1981), 126 pages. Discusses the role of the committee in South Carolina forest policy.

2672. 59 IC Information for Forestry Sector Planning. FAO, Rome, Statistics Div. (1981) In English and French. 7 pages. Cited in FAO Documentation Current Bibliography, Jan.-Feb-82.

2673. 59 ID1A CONKLIN J.B. A Review of Forest Taxation in Washington. Olympia, WA, Washington State Dept. of Revenue. (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2674. 59 ID1A GAFFNEY M. Alternative Ways of Taxing Forests. Univ. of California, Dept. of Economics Working Paper No. 43. Riverside, CA (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2675. 59 ID1A HAUENSTEIN E.B., SIEGEL W.C. Forest and Timber Taxes in Louisiana, 1966-1977. USDA Forest Service Research Paper SO-168 (1981).

2676. 59 ID1A JACKSON D.H. "The Problem of Forest Taxation." In, The Microeconomics of Timber Production. Chapter 4. Boulder, CO. Westview Press (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2677. 59 ID1A JOHNSON M.B. "Errors in Timber Tax Theory." Paper presented at the 54th Annual Western Economics Association Conference, San Diego, CA (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2678. 59 ID1A MCKETTA C.W. "Taxation and Land-Use Allocation with Forestry in Mind." In, Land-Use Allocation:

Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 39-42.

2679. 59 ID1A PUTTOCK G.D. "A Summary of Taxation Measures Affecting Forest Management on Private Lands in Ontario." The Forestry Chronicle, Vol. 58, No. 2 (1982), pages 100-103.

2680. 59 ID1A ROSNER M.H. "New Directions in Forest Taxation." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 1-20.

2681. 59 ID1A STIER J.C. Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, P.O. Box 229, Monticello, IL 61856 ($3.00) (1982), 22 pages Intended as a reference source for researchers and historians in forest taxation.

2682. 59 ID1A STIER J.C. Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI (1981), 183 pages.

2683. 59 ID1B ANDERSON B.W. Property Taxation and Forest Investment. Unpublished M.S. Paper, School of Forestry, Univ. of Wisconsin, Madison, WI (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2684. 59 ID1B BARROWS R. "The Effect of Public Forests and Private Tax-Exempt Forest Land on Property Taxes." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 21-45.

2685. 59 ID1B BENTICK B.L. "Capitalized Property Taxes and the Viability of Rural Enterprise Subject to Urban Pressure." Land Economics, Vol. 56, No. 4 (1980), pages 451-456.

2686. 59 ID1B KLEMPERER W.D. "An Analysis of Selected Property Tax Exemptions for Timber." Land Economics, Vol. 58, No. 3 (1982), pages 293-309. Describes the nature and magnitude of property tax biases against certain land uses. Assuming that tax policy should avoid gross nonneutralities, which could distort market allocation of resources, this study evaluates potential adjustments in forest property taxes that would achieve greater neutrality.

2687. 59 ID1B LAPADAKIS J., WOODEN A., CUNNINGHAM G. Wisconsin Woodlands: The Woodland Tax Law and Forest Crop Law. Univ. of Wisconsin Ext. Publication G1549, Madison, WI (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2688. 59 ID1B SIEGEL W.C., KERR E. "Update on Property Tax Laws." American Forests, Vol. 88, No. 7 (1982), pages 36-38, 62-63.

2689. 59 ID1B STIER J.C. "Economic Implications of Increasing the Wisconsin Forest Crop Law Acreage Fee." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 46-61.

2690. 59 ID1B Legislative Analyst. An Analyses of the Timber Yield Tax (Pursuant to Chapter 176, Statues of 1976). Legislative Analyst Report No. 80-16, Sacramento, CA. (1980) Cited in Forest Taxation. Public Administration Series: Bibliography P-971. Vance Bibliographies, Box 229, Monticello, IL 61856 ($3.00).

2691. 59 ID1C GOEBEL K.P. "Estate and Inheritance Taxes." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 151-172.

2692. 59 ID1C HARKIN D.A. "Alternative Income Tax Treatments of Timber Income." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 88-104.

2693. 59 ID1C STIER J.C. "Federal Income Tax Treatment of Casualties, Thefts, and Disasters." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 105-112. Tax consequences of timber losses due to ice storms, windstorms, fires, and timber theft.

2694. 59 ID1C STIER J.C. "Federal Income Tax Treatment of Forest Management Costs." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 62-85.

2695. 59 ID1C STIER J.C., BRAUN F.W. "Reporting Timber Income." In, Proceedings of the Workshop on Taxation and Forestry. Sponsored by Univ. of Wisconsin Extension and Dept. of Forestry, Madison, WI. (1981), pages 113-150.

2696. 59 ID2 BARTELHEIMER P. "Changes in Value of Currency as a Problem in Forest Valuation." Forst-wissenschafliches Centralblatt, Vol. 101, No. 2 (1982) In German with English summary. Pages 99-111.

2697. 59 ID2 COOK C.C. "An Application of Multiple Regression Appraisal Techniques to Forest Properties." In, State Taxation of Forest and Land Resources: Symposium Proceedings. Lincoln Inst. of Land Policy, Cambridge, MA 02138. (1980), pages 143-149.

2698. 59 ID2 COX D.R. "Evaluating the Commodity Values of Old Growth Forests through the Use of Transaction Evidence, Marginal Cost/Benefit Analysis, and Spatial Opportunity Costs or, 'Dividing the Old Growth Pie.'" In, Old Growth Forests, A Balanced Perspective - Proceedings. Bureau of Governmental Research and Service, Univ. of Oregon (1982), pages 85-91.

2699. 59 ID2 KROTH W. "Relevance of Forest Valuation Methods." Forst-wissenschaftliches Centralblatt, Vol. 101, No. 2 (1982) In German with English abstract. Pages 92-99.

2700. 59 ID2 O'TOOLE R. "Economic Aspects of Old Growth." In, Old Growth Forests, A Balanced Perspective - Proceedings. Bureau of Governmental Research and Service, Univ. of Oregon. (1982), pages 93-111. In the Douglas-fir Region and other parts of the West where timber values are very high, there are still valid economic reasons for protecting a cross-section of old growth. Among these are the long-term research values of old growth, the possible relationships between old growth and forest productivity in general, and additional values which are still unknown.

2701. 59 ID2 PLOCHMANN R., GUNDERMANN E. "Cost-benefit Analysis of a Melioration Project in a Mountain Forest." Centralblatt fuer das Gesamte Forstwesen, Vienna and Munich, No. 1 (1982) In German with English summary. Pages 1-23. Study to evaluate in monetary terms the utility of forest melioration in the Neustift project. The beneft of forest restoration is determined by means of cost-prevention concept.

2702. 59 ID3 ANGSTROEM A. Forest Insurance in Sweden. Transmitted by the Government of Sweden. FAO, Geneva. Joint ECE/FAO Agric. and Timber Div. (1981), 13 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2703. 59 ID4 GALE R.P. "Sociological Aspects of Old Growth Forests." In, Old Growth Forests, A Balanced Perspective - Proceedings. Bureau of Governmental Research and Service, Univ. of Oregon (1982), pages 49-56.

2704. 59 ID6 BEHAN R.W. "How to Starve a Lawyer: a Modest Proposal for an Alternate Strategy of Public Involvement." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 251-256.

2705. 59 ID6 SAUNDERS B. "Application of Public Involvement Techniques in BLM Land-Use Planning." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 266-270.

2706. 59 IE BOSMAN D.L. "Management of Forestry Research to Improve Knowledge Utilization." South African Forestry

Journal, No. 120. (1982), pages 29-35. Knowledge has become the industry that supplies the economy with the essential resource of production. This paper looks at knowledge and where it fits into the task of managing research, technology transfer and technological innovation.

2707. 59 IE CHAVASSE C.G.R. "Communicating Research Results." New Zealand Journal of Forestry, Vol. 26, No. 2 (1981), pages 154-161.

2708. 59 IE ENGELHARDT E. "Influence of Research and Development as to Economizing Basic and Auxiliary Material in the Forestry of the German Democratic Republic." Soz Forstwirtsch, Vol. 30, No. 8 (1980) In German. Pages 244-246. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2709. 59 IE POORE M.E.D. Links between Forestry Research, Education, Training and Extension. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 6 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2710. 59 IE WHALEY R.S., BELL E.F. "Health of Forest Service Economics Research." Journal of Forestry, Vol. 80, No. 6 (1982), pages 347-349, 364. A review of USDA Forest Service research in economics has revealed a lack of focus, creativity, and funds. The program needs more emphasis on important issues, a creative environment, increased funding, and well-trained scientists to become more relevant and productive.

2711. 59 IF BELDI F. Training for Mechanical Wood Industries in Eastern Europe. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 11 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2712. 59 IF DAVIS L.S., GARDNER J.A.F. Post-Graduate Education in Forestry in North America (USA and Canada). Rome, FAO (1980) In English, Spanish and French. Cited in FAO Documentation Current Bibliography, Sept.-Oct. 1981.

2713. 59 IF DEHERVE L. Needs and Issues in Education and Training for Mechanical Forest Industries in Africa. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 14 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2714. 59 IF GRIFFIN D.M. Education in Forestry for Local Community Development. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 5 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2715. 59 IF GRIFFIN D.M. Post-Graduate Education in Forestry in Oceania. Rome, FAO (1980) In English, Spanish and French. 4 pages. Cited in FAO Documentation Current Bibliography, Sept.-Oct. 1981.

2716. 59 IF IMAMURA K. Education and Training for Forestry and Forest Products Industries in Japan. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 15 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2717. 59 IF KAYLL A.J. "The Six Canadian Forestry Schools: a Status Report." The Forestry Chronicle, Vol. 58, No. 2 (1982), pages 83-84.

2718. 59 IF KEATING W.G. "Timber Technology Education - Present Status and Future Needs (United Kingdom)." Aust For Ind J Aust Log, Vol. 46, No. 11 (1980), pages 39-40. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2719. 59 IF KOHATA H. "The General Situation of Japanese Forest Administrator." Q J Chin For, Vol. 13, No. 2 (1980) In Chinese. Pages 46-54. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2720. 59 IF LAARMAN J.G., DE STEIGUER J.E. "Economic Returns to Graduate Education in Forestry." Journal of Forestry, Vol. 80, No. 6 (1982), pages 354-357. A Master's degree or Ph.D. is an investment adding to human capital. In forestry, rates of return on this human capital range from minus 2.5 to plus 6.9 percent on a Master's degree, and from plus 3.5 to plus 6.6 percent on a Ph.D. These are real rates above monetary inflation but before income taxes. Rates of return fall as the time required to complete a graduate degree is extended, and as age of a graduate student increases. Several qualifications accompany the economic analysis.

2721. 59 IF LESLIE A.J. Education and Training for Mechanical Forest Industries. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 5 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2722. 59 IF RUPRICH J. "Comprehensive Research on the Technical and Administrative Staff in Forest Management." Lesnictvi, Vol. 28, No. 4 (1982) In Czech with Russian, English, and French summaries. Pages 349-356.

2723. 59 IF SALINS Z. "Training Personnel for the Forest Industry." Mezsaimn Mezrupnieciba, No. 3 (1980) In Latvian. Pages 41-44. Cited in Bibliography of Agriculture, Vol. 46, No. 4. Activities of the Forestry and Forest-Technical Faculty of the Latvian Agricultural Academy.

2724. 59 IF SEMRINEC J. "Stabilization of Graduates of Forestry Training Institutions in Forest Management." Lesnictvi, Vol. 28, No. 4 (1982) In Czech with Russian, English, German, and French summaries. Pages 333-338.

2725. 59 IF YOUNG R.A. Computer-Assisted Teaching in Forestry. Illinois Agric. Exp. Stn. Forestry Research Report 80-5 (1980), 2 pages.

2726. 59 IG MANANDHAR P.K. Communication and Training Support Program for Community Forestry Development in Nepal. FAO, Rome, Forestry Dept. (1981) In English, Spanish and French. 18 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2727. 59 IG SHEPHERD K.R. "The Nepal-Australia Forestry Project." Australian Forestry, Vol. 44, No. 4 (1981), pages 210-221. The Nepal-Australia Forestry Project is an Australian aid project administered by the Department of Forestry in the Australian National University. It is mostly concerned with community forestry development in the Chautara region of Nepal but assistance is given at the same time to the work of the government Forestry Department in that area. The history of, and philosophy behind the project are explored and the reciprocal benefits for a university department from participation in such an aid program are outlined.

2728. 59 IG SOMMER A. "Cooperative Aid in Forestry Development - the Contribution of Switzerland." Schweizerische Zeitschrift fuer Forstwesen, Zuerich, No. 4 (1982) In German with French summary. Pages 287-299. Present procedures will lead to devastation of tropical forests in a few decades. Questions of policy, society, psychology and religion must be addressed in formulating a realistic sustained management plan.

2729. 59 IG SORG J.P., COMBE J. "Forestry Problems and Forest Research - the Forestation of Rwanda." Schweizerische Zeitschrift fuer Forstwesen, Zuerich, No. 4 (1982) In French with German summary. Pages 301-332. Two Swiss development aid projects are described. Most short term projects are concerned with reforestation for which the forestry map of Rwanda is a basic instrument.

2730. 59 IG Report on the Study Tour FAO/SIDA/CIDIAT on Incentives for Community Involvement in Forestry and Conservation Programs, Honduras, Jamaica, Colombia, Venezuela. FAO, Rome, Forest Resources Div. (1980) In English and Spanish. 108 pages. Cited in FAO Documentation 82/3-4.

2731. 59 IH BARGER R.L. "The Potential for Environmental Abuses from the Use of Wood for Energy." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 82-85.

2732. 59 IH CURTIS W.R. "Reclamation Research Needs in Relation to Public Law 95-87." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 70-76.

2733. 59 IH FFOLLIOTT P.F. "Impact of Man's Activities on Spruce Forest Ecosystems in the Southwestern United

States." In, Stability of Spruce Forest Ecosystems, International Symposium Oct. 29-Nov. 2, 1979. Institute of Forest Ecology, Univ. of Agric., Brno, Czechoslovakia. Emil Klimo, editor. (1980), pages 251-260. Responses of water, timber, forage, wildlife, soil and aesthetics to forest management activities on the three experimental watersheds indicate that changes imposed by man can benefit man and, at the same time, the environment. By taking a holistic viewpoint, all the ecosystem products and uses can be obtained within a framework of stability and high environmental quality.

2734. 59 IH MACKINNON J., BUDI ARTHA M. National Conservation Plan for Indonesia. Field Report 17. (1981), 90 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2735. 59 IH NIESSLEIN E. "Human Market Economy - Economical Aspects of Environmental Policy." Hochschul- Verlag, Freiburg i. Br. (1981) In German. 261 pages. A book connecting the spheres of economic theory, ecology, economical and social policy. Complex correlations of the environment can be dealt with only by equally complex scientific considerations, an overall political strategy, and manifold instruments to take regard of all interactions of economical, political, and social aspects.

2736. 59 IH RUBLE B.A. "The Emergence of Soviet Environmental Studies." Environmental Review, Vol. 5, No. 1 (1980), pages 2-13. Soviet environmental studies is less a formal academic discipline than a loosely integrated collection of sub-disciplines drawn from a number of disparate fields. As efforts to publish the results of research and to coordinate new investigations continue, it is likely that the study of the environment will gain greater academic credibility and respectability in the USSR. The work of researchers at the center may in the future prove to be of interest to environmental research scientists in the West.

2737. 59 IH WALKER L.C. "Ecologic Concepts in Forest Management." Journal of the American Scientific Affiliation, Vol. 32, No. 4 (1980), pages 207-214.

2738. 59 IIA1 KYTTALA T. "Development of Cooperation between Workers and Supervisors in Logging through Work-Site Meetings." Silva Fennica, Vol. 15, No. 2 (1981) In Finnish with English summary. Pages 140-147.

2739. 59 IIA1 POPELAR V., KOPRIVA S., BLUDOVSKY Z., PLIBERSEKOVA L. "Statistical Survey on Work and Workers in Forest Management in the CSSR." Lesnictvi, Vol. 28, No. 7 (1982) In Czech. Supplement pages 1-16.

2740. 59 IIA1 Forestry Labor Statistics and Employment. Note by the Secretariat. FAO, Geneva. Joint ECE/FAO Agric. and

Timber Div. (1981) In English and French. 7 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2741. 59 IIA3 HILMI H.A. Reappraisal of Education and Training Needs for Forestry and Forest Industries in Africa. FAO, Rome, Forestry Dept. (1980) In English, Spanish and French. 17 pages. Cited in FAO Documentation Current Bibliography, Sept.-Oct. 1981.

2742. 59 IIA3 LIZNA A. "Possibilities of Vocational Training of Forest Workers." Lesnictvi, Vol. 28, No. 4 (1982) In Czech with Russian, English, German, and French summaries. Pages 339-348.

2743. 59 IIA3 RUPRICH J. "Structure of Working Time Usage by Technical-Economic Workers Running the State Forests in the Czech Socialists Republic." Acta Universitatis Agriculturae (Brno) Series C (Facultas silviculturae) Vol. 49, No. 2-4 (1980) In Czech with summaries in Russian, German and English. Pages 315-324. An analysis was made for the working time usage by workers of the operation units as based on the data obtained in realizing the new model of organization applied in the State Forests, and the results were compared to the structure of working time usage in previous system. Sample of the working day, which the respondents selected to that end and filled in according to a time harmonogram set up beforehand, were used as bases. Data in the samples were processed further in a computer.

2744. 59 IIA3 VANHANEN H., PAJUNEN L. "Forest Workers' Equipment Costs in Finland in 1980." Folia Forestalia, No. 494 (1981) In Finnish with English summary. Pages 1-20. For chain saw users the average daily operating costs and capital costs were 20 percent of the average gross income. Including an estimate of the maintenance and repair work done by the logger himself, the total costs were 26 percent of the gross income. Respective figures for the clearing saw were 17 percent and 22 percent.

2745. 59 IIA3 Joint Committee on Forest Working Techniques and Training of Forest Workers. Report on the fifth Session of the Steering Comm., (Rajamaeki and Kiljava, Finland), 18-19 June 1981. FAO, Geneva. Joint ECE/FAO Agric. and Timber Div. (1981) In English and French. 9 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2746. 59 IIA4 FANTA A. "Analysis of the Results Obtained by Introducing the Plan of the Complex Care of Employees in the South Moravian State Forests." Lesnictvi, Vol. 28, No. 7 (1982) In Czech with Russian, English and German summaries. Pages 611-616.

2747. 59 IIA4 HOFLE H.H., BUTORA V. "Occurrence of Accidents in Forestry. Study Methods and Results." J For Suisse

Schweiz Z Forstwes, Vol. 131, No. 9 (1980) In German. Pages 779-799. Cited in Bibliography of Agriculture, Vol. 46, No. 3.

2748. 59 IIA4 PAUL D.K. Forestry Training Institute, Suwon, Republic of Korea. Health and Safety for Forest Workers. Field Document 3. FAO, Rome, Forestry Dept. (1981), 50 pages. Cited in FAO Documentation 82/3-4.

2749. 59 IIB1 ROCHOT A. "Economic Analysis of Forest Ownership Based on Simplified Accounting; the British Example." Revue Forestiere Francaise, Vol. 33, No. 6 (1981) In French. Pages 501-508.

2750. 59 IIB2B KINCAID D.B. "Wayne National Forest: Model of Multiple Use." Journal of Forestry, Vol. 80, No. 7 (1982), pages 404-405, 408.

2751. 59 IIB2B KOHATA H. "Marching Forward to the Improved Management of the National Forest (in Japan)." Q J Chin For, Vol. 13, No. 2 (1980) In Chinese. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2752. 59 IIB2B MCGUIRE J.R. "The National Forests: An Experiment in Land Management." Journal of Forestry, Vol. 26, No. 2 (1982), pages 84-91.

2753. 59 IIB2B PETERSON C.S., SPETH L.E. "Administration and Personnel on the Wasatch-Cache National Forest." Journal of Forest History, Vol. 26, No. 1 (1982), pages 4-19. Covers administrative beginnings, first local foresters, supervisors, public officers, the role of education, and the work force.

2754. 59 IIB2B WIENER A.A. "Forest Service Data on Timber Sold and Harvested - Some Caveats for Users." Journal of Forestry, Vol. 80, No. 6 (1982), pages 350-354, 357. USDA Forest Service reports of timber sold and harvested provide data for measuring performance on the national forests, as well as comparative information for private applications. Analyses or comparisons of such data must, however, be made with care, because there are differences in periods of reporting, potential uses, units of measurement, species, timber size, and contract terms.

2755. 59 IIB2B The O & C Lands Statistical Supplement. Bureau of Governmental Research and Service, School of Community Service and Public Affairs, Univ. of Oregon. (1981), unnumbered.

2756. 59 IIB2B The O & C Lands. Bureau of Governmental Research and Service, School of Community Service and Public Affairs, Univ. of Oregon. (1981), 178 pages. Includes history of the ownership and management of the O & C lands; land area, ownership, forest land, timber production and nontimber resources; administrative management, income from the lands, management and role of

investment on the lands; impact of the revenue derived from O & C lands on the finance patterns of the eighteen counties in which the lands are located; and the economic significance of the O & C resource to the region.

2757. 59 IIB2C ERICKSON D.L., LIU C.J. "Methods of Identifying and Assessing Problems in Community Woodlands." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 25-31. Four sociological methods are described and evaluated in terms of their utility to the planning/problem-solving process. With the limited resources of many forest administering agencies and the need for information exchange among rural residents and between those residents and government officials, small group techniques are suggested.

2758. 59 IIB2C VODAK M.C., RUDOLPH V.J., OLSON J.T. "Michigan's Forest Cultivation Program: an Example of Intensive Management on Public Lands." Journal of Forestry, Vol. 80, No. 8 (1982), pages 501-503. Michigan's Forest Cultivation Program is an example of intensive forestry on state-owned lands. From 1973 through 1979, the administration and investment decision processes of the program were evaluated, economic criteria used to establish investment priorities, and changes instituted. Projected average internal rates of return were highest for red and white pine release and northern hardwoods timber stand improvement.

2759. 59 IIB3A DENNIS D.F. "Maryland's Forest-Land Owners." Md Conserv, Vol. 57, No. 2 (1981), pages 4-7. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2760. 59 IIB3A MCCLOSKEY M. "The Responsibility of the Private Owner for Forest Land Stewardship." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 99-101.

2761. 59 IIB3A NORMANDIN D. "The State of Our Knowledge of the (ownership) Structure of (French) Forests Not under State Control." Revue Forestiere Francaise, Vol. 33, No. 6 (1981) In French. Pages 431-444.

2762. 59 IIB3B AINSCOUGH G.L. The Designed Forest System of MacMillan Bloedel Limited: An Example of Industrial Forest Management in British Columbia. Vancouver: Univ. of British Columbia. The H.R. Mac Millan lectureship in Forestry (1981), 20 pages.

2763. 59 IIB3C FITZSIMMONS W.L., HAROU P.A. The Economics of Forestry Incentives in Massachusetts Economic Evaluation of FIP in 1978. Mass. Agric. Exp. Stn., Univ. of Mass. Research Bulletin 669 (1981), 115 pages.

2764. 59 IIB3C GLECKLER J.M. CFM Forestry in Northeast Oklahoma. Tech Pub SA TP US For Serv Div State Priv For

Southeast Area, No. 12 (1980), pages 110-119. Cited in Bibliography of Agriculture, Vol. 46, No. 4. Management assistance, nonindustrial private forests.

2765. 59 IIB3C HAROU P.A., FITZSIMMONS W. A Survey of the 1978 Forestry Incentive Program Participants in Massachusetts. Dept. of Forestry and Wildlife Management Univ. of Massachusetts No. SP-128 (1981), 64 pages.

2766. 59 IIB3C HAROU P.A.W. "The Turnover of Forest Property Ownership in Southern New England." In, New England Business and Economic Association - Proceedings of the Eighth Annual Conference Nov. 6-7, 1980. Editors: George J. Burak and Robert L. Rivers, School of Business Administration, Univ. of Mass.

2767. 59 IIB3C HELLES F. "Methods of Identifying and Assessing Problems Associated with Small Private Forests." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 32-41.

2768. 59 IIB3C HOLMES T., DIAMOND J. An Analysis of Non-Industrial Private Woodland Owners' Attitudes towards Timber Harvesting and Forest Land Use in Windham County, Connecticut, 1979. Storrs, Conn. Agric. Exp. Stn. College of Agric. and Natural Resources, Univ. of Conn. Research Report 63 (1980), 23 pages.

2769. 59 IIB3C JARVELAINEN V.P. "Cutting Behavior in Finnish Private Woodlots." Folia. For. No. 499. Author's address: Univ. of Helsinki, Dept. of Social Economics of Forestry, Unioninkatu 40 B, SF-00170 Helsinki 17, Finland. (1981) In Finnish with an English summary. Pages 1-54. Describes and explains the harvesting choices made by private landowners.

2770. 59 IIB3C KAISER F., BIRCH T., LEWIS D. "New Findings on Private Forest Landowners." American Forests, Vol. 88, No. 7 (1982), pages 28-30, 44.

2771. 59 IIB3C KRONRAD G., HAROU P. A Survey of Landowners Entering the Massachusetts Yield Tax Program in 1978. Cooperative Extension Service, Univ. of Mass. No. SP-134 (1982), 42 pages.

2772. 59 IIB3C MACBRAYNE C.G. "The Case for Farm-Forestry." Scottish Forestry, Vol. 36, No. 2 (1982), pages 123-130. Upland farmers need to diversify production and forestry can offer a long term solution but there is no tradition of farm-forestry in Britain and incentive must be provided.

2773. 59 IIB3C MCGILLVRAY R. Alder, Investment for Nonindustrial Private Landowners? Olympia: Washington Dept. of Natural Resources Note 35 (1981), 21 pages.

2774. 59 IIB3C NODINE S.K., STEVENS J.H. JR. "Foresters' Opinions on the Needs of Nonindustrial Private Forest Land

in South Carolina." Forestry Bulletin No. 31, Dept. of Forestry, Clemson Univ. (1982), 6 pages.

2775. 59 IIB3C ROBBINS J.F., HAROU P.A., ABBOTT H.G. The Economics of Forestry Incentives in Massachusetts FIP and ACP Effectiveness - A Physical Assessment. Massachusetts Agric. Exp. Stn., Univ. of Massachusetts Research Bulletin No. 674 (1981), 42 pages.

2776. 59 IIB3C SALO E., VUORIVIRTA J. "Cutting, Delivery and Measurement Methods of Roundwood in Private Forests in Finland, 1974-76." Folia Forestalia, No. 491 (1981) In Finnish with English summary. Pages 1-23. Describes how the roundwood which has been cut, measured and delivered according to different methods and practices is distributed regionally by forest owner groups, by age of the farm owners, for forest size-class and by roundwood assortments.

2777. 59 IIB3C THORNE I.D.P. "The Management and Enjoyment of Nottinghamshire's Private Woodlands." Quarterly Journal of Forestry, Vol. 76, No. 3 (1982), pages 181-187. Economic, political and social situation of the private woodlands of Nottinghamshire.

2778. 59 IIB3C TROKEY C.B., KURTZ W.B. "Increasing Timber Management through a Better Understanding of Nonindustrial Private Forest Owner's Motivations and Objectives." The Consultant, Vol. 27, No. 3 (1982), pages 57-59.

2779. 59 IIB3C WEATHERHEAD D.J. "Preliminary Report on a Nonindustrial Private Forest Landowner Survey in Spokane County, Washington." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 279-281.

2780. 59 IIC2 BERRIDGE R.D. "Land-Use Allocation: Influence of the Market." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 48-51.

2781. 59 IIC2 CROWELL J.B.JR. "Impact of Recent Trends in Forest Land Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 16-20. Economics primarily determine use allocations of privately-owned forest land while use allocations of federally-owned forest lands are insulated from economics.

2782. 59 IIC2 CUTLER M.R. "Direct Effects of Judicial Interpretation upon the Process of Land-Use Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 61-66.

2783. 59 IIC2 FLORAS RODAS M.A. "Forestry and Land Use." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 106-110.

2784. 59 IIC2 GILTMIER J.W. "Emerging Issues in Land Use Allocation from a Legislative Point of View." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 96-98.

2785. 59 IIC2 HORNGREN S.W. "Influences of Some of the Major Forces which Are Acting on the Process of Land-Use Allocation: The Effect of Regulations." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 43-47.

2786. 59 IIC2 JOHNSON N.E. "Relationship between National and International Levels of Decisions Made in Land-Use Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 32-35.

2787. 59 IIC2 MOSHOFSKY W.J. "Influence of the Market on Private and Public Land-Use Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 102-105.

2788. 59 IIC2 STONE E.L. "Society's Need for Classification in Resolving Conflicts in Land-Use Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 154-158.

2789. 59 IIC2 WISHART J.E. "Land-Use Allocation and Corporate Uncertainty." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 52-55.

2790. 59 IIC3 CRAWFORD D.B. "Land Use Planning - The Problems of Conflicting Interests." Scottish Forestry, Vol. 36, No. 2 (1982), pages 91-101.

2791. 59 IIC3 FRANZESE M.L. "Promise or a Threat? Coordinating the Planning Needs of the Private and Public Sectors." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 27-31.

2792. 59 IIC3 KNUDSON D.M., LARSON G.B. "Land-Use Planning Strategies for Foresters." Journal of Forestry, Vol. 80, No. 9 (1982), pages 579-580, 602. Growing importance of land-use planning effects foresters and forestry. Foresters are particularly well trained to participate in

many phases of such activity, but have seldom been involved with local comprehensive plans. The forestry profession can contribute to the processes and opportunities in various multi-purpose planning programs.

2793. 59 IIC3 LAPPING M.B. "Rural Development and Land-Use Planning: A Forestry Perspective." Journal of Forestry, Vol. 80, No. 9 (1982), pages 583-584, 602. Land-use planning in rural areas has often treated forests as special problems. Tax laws, timber practice laws, planning regulations, and now statewide forestry planning have done little to integrate the forestland into the total planning process. Rural resistance to regulation and planning suggests a need to adapt city-born planning techniques and procedures to the informal institutions of rural areas.

2794. 59 IIC3 LUBKA L. "Role of the Forester in Land-Use Planning." Journal of Forestry, Vol. 80, No. 9 (1982), pages 597-601. Foresters can influence public land-use planning throughout the process. Goals, issues, and constraints should include forestry needs and supporting data. If foresters are to contribute to land-use planning at federal, state, regional, or local levels, they will have to take the initiative.

2795. 59 IIC3 MARTIN T.W., FITCH W.N., NOBLE B.F. "Reclamation through Land Sculpture." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 235-239.

2796. 59 IIC3 MOON G.C. "Planning Techniques and Problems in Land-Use Allocation." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 7-11.

2797. 59 IIC3 ROSENTHAL J.C., DON R.T. "International Paper Company: Industry as a Land-Use Planner." Journal of Forestry, Vol. 80, No. 9 (1982), pages 594-597. Four cases of recent actions by International Paper Company illustrate diverse ways in which industrial decisions were accompanied by the firm's planning analyses and related benefits. Land-use planning by industry documents the company's effects on a community, complementing conventional public planning. It considers general community relations. Changes in the labor force, housing, surplus corporate lands, and efficient management of company assets.

2798. 59 IIC3 STINE S.E. "Perspectives in Land-Use Planning versus Resource Allocation Planning." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 243-246.

2799. 59 IIC3 STINE S.E., BYRNE J.G. "Land-Use Planning: Opportunity for Resource Professionals." Journal of

Forestry, Vol. 80. No. 9 (1982), pages 581-582. Theories and processes of planning have undergone substantial changes in recent decades, and innovations are occuring in the means by which state and local governments put plans into effect. Managers of public and industrial forests must keep abreast of developments and contribute their knowledge and skills when land-use plans are being made. They should also reappraise the planning on the lands they are directly responsible for. Forestry schools do not seem to give students a basic understanding of land-use planning.

2800. 59 IIC3 STOLTENBURG C.H. "Oregon's Experience with State Land-Use Planning with Particular Reference to Forestry." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 21-24.

2801. 59 IIC3 WILLIAMS H.J., HARDING D. "Towards a Land Use Strategy for the Uplands of Wales." Quarterly Journal of Forestry, Vol. 76, No. 1 (1982), pages 7-23. Describes the characteristics of the uplands, present uses and financial incentives to improve or intensify some of these. An example of the problem of competing uses is explained and a strategy suggested.

2802. 59 IID1 KLEMPERER W.D., HANEY H.L.JR., GUNTER J.E. "A Note on Forest Land Values and Return on Investment." Forest Science, Vol. 28, No. 1 (1982), pages 175-176. Clarifies the conditions under which including increasing land values when evaluating forestry investments is and is not valid.

2803. 59 IID1 MILLS W.L. JR., HOOVER W.L. "Investment in Forest Land: Aspects of Risk and Diversification." Land Economics, Vol. 58, No. 1 (1982), pages 33-51. Traditional investment analyses of forestry often yield low net present values or internal rates of return, indicating that forestry investments may be unwise for farmers and other rural landowners. However, thousands of individuals do own and operate forest lands for investment purposes. This paper examines an explanation of this behavior based on portfolio analysis and diversification.

2804. 59 IID1 Financial Mechanisms and Sources for Forest Sector Development in Latin America. Technical Report No. 5. From, Financing Forest-Based Development in Latin America, Regional Conference Sponsored by the Inter-American Development Bank, (June 22-25, 1982). (1982), 17 pages. Describes the financing mechanisms and means used for the forest-based sector in Latin America, identifies main financing problems in the region and suggests solutions. Role of international lending and technical assistance institutions is reviewed.

2805. 59 IID1 Forest Industries Development Strategy and Investment Requirements in Latin America. Technical Report No. 1. From, Financing Forest-Based Development in

Latin America, Regional Conference Sponsored by the Inter-American Development Bank, (June 22-25, 1982). (1982), 128 pages.

2806. 59 IID1 Forestry Investment Opportunities and Contributions to Energy, Resource Conservation and Rural Development. Technical Report No. 2. From, Financing Forest-Based Development in Latin America, Regional Conference Sponsored by the Inter-American Development Bank, (June 22-25, 1982). (1982), 39 pages. There are few large-scale formal forestry investment projects in Latin America. Obstacles to increasing forestry investments are: lack of appreciation of the benefits provided by proper forest management, forest sector agencies in many Latin American countries have not been incorporated into rural development planning. Projects which could address these issues fall into three general categories: fuelwood, watershed management, and forest-based small business.

2807. 59 IID1 Financing Forest Sector Investment Projects in Latin America: Issues and Opportunities. Conference Document (June 22-25, 1982) Sponsored by the Inter American Development Bank. (1982), 26 pages. External financing and technical assistance institutions should be asked to begin programs in forest sector analysis and project identification and financing. Such efforts should be concentrated initially in a few fields with clear economic and social benefits and with high possibilities of success.

2808. 59 IID1 Institutional Requirements for Expanding Forest Sector Investments. Technical Report No. 3. From, Financing Forest-Based Development in Latin America, Regional Conference Sponsored by the Inter-American Development Bank, (June 22-25, 1982). (1982), 26 pages. Execution of forestry projects is often complicated by the number of institutions involved, cooperatives or local communities, large and small landowners. This requires that plans of operation include promotional aspects directed towards these participants, and towards different methods of distributing the final benefits. Aspects that merit attention are the professional training to foresters in the areas of economics and planning and the training of middle level management personnel and unskilled labor.

2809. 59 IID1 Technical Cooperation Needs for Expanding Forest Sector Investments. Technical Report No. 4. From, Financing Forest-Based Development in Latin America, Regional Conference Sponsored by the Inter-American Development Bank, (June 22-25, 1982). (1982), 25 pages. In Latin America the necessity for technical cooperation in the forest investment process can be separated into three steps: identification, design and analysis, and execution of projects. It is necessary to place a new emphasis on technical assistance in order to: improve information systems, train professionals in the

identification and analysis of projects, and assist governments in planning adequate financial structures for the forest sector.

2810. 59 IIIA1 MACBRAYNE C.G. "Agroforestry for Upland Farms?" Scottish Forestry, Vol. 36, No. 3 (1982), pages 195-206.

2811. 59 IIIA1 MACDONALD L. "Agro-Forestry in the African Humid Tropics." The Commonwealth Forestry Review, Vol. 60, No. 4 (1982), pages 43-45. Agro-forestry is a broad category of land-use options which appears to have considerable potential for sustained yields of plant products, yet it has received very little attention from researchers or government officials. This is an overview of the papers presented at a workshop in Ibadan, Nigeria, where scientists discussed traditional agro-forestry practices, current research and possibilities for development.

2812. 59 IIIA1 NEWTON J.P., RIVERS M.J. "Lake Vyrnwy Estate: An Example of the Multiple Use of Rural Land." Quarterly Journal of Forestry, Vol. 76, No. 2 (1982), pages 92-102. Imaginative and constant management of the reservoir (Lake Vyrnwy) and its catchment has developed a group of inter-dependent rural industries that are profitable and enhance the scenery and wildlife community of the area.

2813. 59 IIIA1 SAASTAMOINEN O. "Economics of Multiple-Use Forestry in the Saariselka Forest and Fell Area." Commun. Inst. For. Fenn. No. 104. Author's address: The Finnish Forest Research Institute, Rovaniemi Research Station, Etelaranta 55, SF-96300 Rovaniemi 30, Finland. (1982) In English with a Finnish summary. Pages 1-102. Mutual relationships and economics of timber production, reindeer grazing and outdoor recreation are studied in Finnish Lapland in an area of 1757 sq. km. consisting of forest and treeless fells. Outdoor recreation measured by the returns of tourism enterprises appeared to be economically the most important land use and the most appropriate multiple use combination seemed to be that of outdoor recreation and reindeer grazing.

2814. 59 IIIA1 SPEER J. "The Development of Energy Economy and Consequences for Forestry." Der Forst- und Holzwirt, Hannover, No. 12 (1982) In German. Pages 305-307. The energy crisis cannot cause a revolution in forest practices which have developed over centuries. In particular the maintenance and improvement of site conditions must be regarded.

2815. 59 IIIA2 JAMES L.M., RUDOLPH V.J., KOELLING M.R. "Production and Marketing of Christmas Trees in Michigan." Res Rep Mich State Univ Agric Exp Stn No. 412 (1980), 8 pages. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2816. 59 IIIA3 ACHTERMAN G.L. "Legal Constraints in Public Rangeland Management." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 208-210.

2817. 59 IIIA3 FAIRFAX S.K. "Range Management in the 1980's: a Brief Look at the Political Context." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 203-207.

2818. 59 IIIA3 GODFREY E.B., NIELSEN D.B. "Economic Incentives and Range Improvements on Federal Rangelands." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 194-197.

2819. 59 IIIA3 WEST P.C. "Constraints or Challenge? Social Dilemmas in Public Rangeland Management." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 198-202.

2820. 59 IIIA5A "Efforts of Forestry to Influence Public Opinion." Der Forst und Holzwirt, Hannover, No. 13 (1982) In German. Pages 336-346. Four articles discussing how forest districts can influence public opinion with youth as the most effective target group.

2821. 59 IIIA5A "Forests and Tourism - Wooded Tyrol." Allgemeine Forstzeitung, Vienna No. 4 (1982) In German with English and French summaries. Pages 83-96. Seven articles dealing with the land and forests of Tyrol and its tourism development. Limitations, damages, dangers and objectives for more quality in recreation motivated by responsibility for the country and its residents.

2822. 59 IIIA5C CHUBB M., WESTOVER T.N. "Antisocial Behavior: Typology, Messages, and Implications for Recreation Resource Managers." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 271-278.

2823. 59 IIIA5C COLE D.N. Wilderness Campsite Impacts: Effect of Amount of Use. USDA Forest Service Research Paper INT-284 (1982), 34 pages. Subalpine lakeshore campsites were studied in the Eagle Cap Wilderness, Oregon. Light-use campsites had experienced almost as much alteration as moderate- and heavy-use sites. Sites set back from lakeshores had changed as much as lakeshore sites. Selected indicators of ecological change were evaluated. Implications of this research to management of wilderness campsites are discussed.

2824. 59 IIIA5C COLE D.N., SCHREINER E.G.S. Impacts of Backcountry Recreation: Site Management and Rehabilitation

- An Annotated Bibliography. USDA Forest Service General Technical Report INT-121 (1981), 58 pages. Over 300 references on recreational impacts, impact management, and rehabilitation of impacted sites are reviewed. Implications for backcountry management are assessed.

2825. 59 IIIA5C KRUMPE E.E., BROWN P.J. "Redistributing Backcountry Use through Information Related to Recreation Experiences." Journal of Forestry, Vol. 80, No. 6 (1982), pages 360-362, 364. An experiment in Yellowstone National Park tested a "trail selector" consisting of a brochure and map containing information designed to enable visitors to select trails offering the type of recreation experience they desired and to provide alternatives to the most highly used trails. The trail selector gave information on specific backcountry characteristics for 28 lightly used trails. The experiment demonstrated that simple information about trail attributes could redistribute use.

2826. 59 IIIA5D CHEN CHAW-MING Study of Forest Recreation Resource, Demand and Management in Taiwan. Final Report submitted to the Council of Agricultural Development and Planning (1981) In Chinese with English summary. 198 pages. Research summary of work completed by the Forest Recreation Research Group within the Department of Forestry. Divided into four parts: development and trend in forest recreation research world wide and especially Taiwan; analysis of demand for forest recreation in Taiwan; discussion of the potential of forest land for recreational use, its capability and characteristics; discussion of issues concerning the goal-setting procedures, land-use zoning and restrictions, personnel organization in management.

2827. 59 IIIA5D SAASTAMOINEN O., SIEVANEN T. "Time Patterns of Recreation in Urban Forests in Two Finnish Towns." Folia Forestalia, No. 473 (1981) In Finnish with English summary. Pages 1-24. The aim of this investigation is to examine seasonal, weekly and daily patterns of outdoor recreation in urban forests.

2828. 59 IIIA5D WASHBURNE R., WALL P. Black-White Ethnic Differences in Outdoor Recreation." USDA Forest Service Res. Pap. INT-249 (1980), 13 pages. Leisure patterns of blacks result from a distinct cultural value and normative system contrasted to a "mass society" of whites. This suggests that leisure activities may help maintain subculture systems of ethnic minorities that contrast, but must coexist with, a dominant culture.

2829. 59 IIIA5D WEITZSTEIN M.E., GREEN R.D., ELSNER G.H. "Estimation of Wilderness Use Functions for California: An Analysis of Covariance Approach." Journal of Leisure Research, Vol. 14, No. 1 (1982), pages 16-26. The Hotelling-Clawson procedure for estimating demand for

recreation resources assumes only one destination with no close substitutes. The problem of estimating demand for wilderness use in California is an example where the availability of close substitutes will influence both the estimation technique and the determinants accounting for wilderness use. Alternative estimation techniques are presented and tested to account for differences among destinations. Results indicate that dealing with a multi-area wilderness system, assumptions with regard to the structure of the system must be explicitly stated and tested.

2830. 59 IIIA5E COX T.R. "From Hot Springs to Gateway: the Evolving Concept of Public Parks, 1832-1976." Environmental Review, Vol. 5, No. 1 (1980), pages 14-26. Conceptions of parks have changed in fairly specific ways as the intellectual and social milieu in which they have existed has changed. Dominant views have become less elitest, less romantic, more ecologically and recreationally oriented, and more catholic. Parks created in one era have sometimes come into conflict with the perceptions of another era.

2831. 59 IIIA5E LEMONS J., STOUT D. "National Parks Legislative Mandate in the United States of America." Environmental Management, Vol. 6, No. 3 (1982), pages 199-207. Major issues concerning management of parks are expanded visitor use and the dilemma of preservation versus use. An interpretation of legislative meaning which supports a policy of preservation of park resources is provided.

2832. 59 IIIA5E SCHOMAKER J.H., GLASSFORD T.R. "Backcountry As an Alternative to Wilderness?" Journal of Forestry, Vol. 80, No. 6 (1982), pages 358-360, 364. Backcountry areas have been suggested as recreation alternatives to wilderness. A problem with the concept is that areas which could be managed as backcountry are already used by recreationists. Visitors to a wilderness in Oregon and to a nondesignated roadless area in northern Idaho held many of the same values and sought the same kind of experiences. Therefore, redistribution, as proposed by backcountry proponents, may be equivalent to shifting use from officially designated wilderness to defacto wilderness rather than from wilderness to a backcountry recreation area.

2833. 59 IIIA5E WELLMAN J.D., DAWSON M.S., ROGGENBUCK J.W. "Park Managers' Predictions of the Motivations of Visitors to Two National Park Service Areas." Journal of Leisure Research, Vol. 14, No. 1 (1982), pages 1-15. Managers at Cape Hatteras National Seashore and Shenandoah National Park were asked to predict the motivations specific groups of visitors to their parks had expressed in recent structured surveys. Cape Hatteras managers' predictions were frequently in error, while Shenandoah managers' predictions were generally accurate. These

findings are joined with previous research to provide a tentative hypothesis concerning managers' understanding of client viewpoints.

2834. 59 IIIA5G HAROU P.A. "Including Equity in the Evaluation of Outdoor Recreation Benefits." Canadian Journal of Forest Research, Vol. 12, No. 2 (1982), pages 337-342. Forest recreation activities are characterized by high income level participants. If planners introduce an income distribution dimension in the evaluation of recreation benefits, this inequity could be corrected.

2835. 59 IIIA5H FICHTLER R.K. The Relationship of Recreational Impacts on Backcountry Campsites to Selected Montana Habitat Types. M.S. Thesis, Univ. Mont., Missoula. (1980), 109 pages.

2836. 59 IIIA5H PETERSON G.L., ANDERSON D.H., LIME D.W. "Multiple-Use Site Demand Analysis: An Application to the Boundary Waters Canoe Area Wilderness." Journal of Leisure Research, Vol. 14, No. 1 (1982), pages 27-36. A single site multiple use trip demand model is derived from a multiple site regional model based on utility maximizing choice theory. The model is applied to analyze and compare trips to the Boundary Waters Canoe Area Wilderness for several types of use. Travel cost elasticities of demand are compared and discussed.

2837. 59 IIIA5H ROGGENBUCK J.W., BERRIER D.L. "A Comparison of the Effectiveness of Two Communication Strategies in Dispersing Wilderness Campers." Journal of Leisure Research, Vol. 14, No. 1 (1982), pages 77-89. Two communication strategies, a brochure and a brochure plus personal contact, were used to attempt to disperse wilderness campers from a heavily used meadow. Both strategies were successful, and no difference was found in overall effectiveness.

2838. 59 IIIA5H ROGGENBUCK J.W., SMITH A.C., WELLMAN J.D. "Canoeists' Perceptions of Problem Behaviors on Virginia Rivers." Journal of Soil and Water Conservation, Vol. 37, No. 2 (1982), pages 122-126. Canoeists generally perceived safety hazard behaviors as the most serious problems on nine Virginia rivers, followed by environmental impact and social conflict behaviors. Perceptions varied considerably. Canoeists labeled as not serious many actions that might violate a leave-no-trace land ethic.

2839. 59 IIIA5H SHELBY B., DANLEY M.S., GIBBS K.C., PETERSEN M.E. "Preferences of Backpackers and River Runners for Allocation Techniques." Journal of Forestry, Vol. 80, No. 7 (1982), pages 416-419. In a questionnaire study, river runners and backpackers in Oregon reacted most favorably to pricing and reservation as means of allocating scarce recreation resources. Differences in reactions to three other alternatives (lottery, queuing,

and merit) apparently reflected differences in the characteristics of the areas and types of recreation studied.

2840. 59 IIIA5H WEST P.C. "Effects of User Behavior on the Perception of Crowding in Backcountry Forest Recreation." Forest Science, Vol. 28, No. 1 (1982), pages 95-105. Perceived density and being bothered by other users' behavior interact to influence the perceptions of crowding. Implications for management might include behavioral zoning and silvicultural management strategies which will reduce conflict among users with differing behavioral norms.

2841. 59 IIIA5I HASPEL A.E., JOHNSON F.R. "Multiple Destination Trip Bias in Recreation Benefit Estimation." Land Economics, Vol. 58, No. 3 (1982), pages 364-372.

2842. 59 IIIA5I ZUBE E.H., SELL J.L., TAYLOR J.G. "Landscape Perception: Research, Application and Theory." Landscape Planning, Vol. 9, No. 1 (1982), pages 1-33. An analysis of the paradigms that have been followed in assessing perceived landscape values, and identification of the theoretical or conceptual bases which underlie these approaches. Absence of an explicit theoretical foundation is noted. Arguments in support of the development of a theoretical framework for landscape perception research are advanced and a proposed framework based on an interactive perception process is presented.

2843. 59 IIIA7 BULL P.C. "The Consequences for Wildlife of Expanding New Zealand's Forest Industry." New Zealand Journal of Forestry, Vol. 26, No. 2 (1981), pages 210-231. The value of exotic forests as wildlife habitats could be improved by establishing corridors of native vegetation within the forest, by including trees which provide a seasonal succession of nectar or berries, by cropping the forest on a patchwork basis and on a long rotation for sawlogs rather than a short rotation for pulp, by controlling pests with sprays and baits safe to non-target species, and by encouraging further research on the habitat requirements of native animals.

2844. 59 IIIA7 CAMPBELL J., ROSE R. "Private Enterprise Forestry and Wildlife Conservation." Quarterly Journal of Forestry, Vol. 76, No. 1 (1982), pages 44-52. Do wealthy countries have a responsibility to recycle some of their surpluses and create efficient man-made plantations to meet future world demand for timber and wood products, and take some pressure off existing natural forests to conserve wildlife?

2845. 59 IIIA7 GILES R.H. JR. "Management Knowledge through Wildlife Research: a Perspective." Environmental Management, Vol. 6, No. 3 (1982), pages 185-191. Information from research is needed to improve the decisions made by wildlife managers. While changes within

current management structures are unlikely, continuing classical experimental research alone will not meet the timely needs of the field or of citizens dependent on wildlife resources. Suggestions for change include: discussions with people in other broadly defined fields with a similar problem, new sampling strategies, increased use of computer models, use of geobased information systems, use of game theory, non-species research grouping, new funding structures, and sharing of facilities and teams of specialists.

2846. 59 IIIA7 GUIRAUD C. "Hunting in the Forest in Europe." Revue Forestiere Francaise, Vol. 33, No. 6 (1981) In French. Pages 515-521.

2847. 59 IIIA8 DAVIS H.F. "The Challenging Future for Arboricultural Research." Journal of Arboriculture, Vol. 8, No. 6 (1982), pages 141-144. Better communication between practicing arborists and research scientists is a necessity, as is more effective funding and general support.

2848. 59 IIIA8 GERHOLD H.D., SACKSTEDER C.J. "Better Ways of Selecting Trees for Urban Plantings." Journal of Arboriculture, Vol. 8, No. 6 (1982), pages 145-153.

2849. 59 IIIA8 MACLEAN J. Urban Forestry, 1979-1981. US Department of Agric. Agricultural Library (Quick bibliography series) NAL-BIBL-81-15 (updates 80-06) (1981), 15 pages. Contains 140 citations.

2850. 59 IIIA8 MOELLER G.H. "Research Programs in Urban Forestry." Trends, Vol. 18, No. 4 (1981), pages 4-9. Those responsible for management and planning of urban forest resources must strike a balance between the needs of people and the ability of urban forest systems to fulfill those needs.

2851. 59 IIIA8 SIEVERT R., HEILIGMANN R., MITCHELL T. "Urban Forestry in Selected Midwest Cities." Journal of Arboriculture, Vol. 8, No. 5 (1982), pages 136-139.

2852. 59 IIIA8 "Green in Erlanger 82." Landscape Architecture and Planning. Journal of the German Society for Garden Arts and Care of the Landscape. DGL, Munich No. 3/82. (1982) In German and English. 35 pages. Special issue presenting the objectives of Green in Erlanger 82, an attempt to present the normal aspects of a city as an exhibition and to illustrate the problems and opportunities with regard to the development of open space in a whole city.

2853. 59 IIIA8 "Landscape Planning in Urban Development - the Erlanger-Nuremberg Region." Bayerische Akademie fuer Naturschutz und Landschaftspflege, Laufen/Salzach, Tagungsbericht No. 2/80 (1980) In German. 49 pages. Report of an international scientific seminar by the

Bavarian Academy for nature protection and Care of the Landscape and International Federation of Landscape Architects with papers concerning nature, recreational areas, and open natural zones in city areas.

2854. 59 IIIB1 ADAMS D.M., HAYNES R.W., DUTROW G.F., BARBER R.L., VASIEVICH J.M. "Private Investment in Forest Management and the Long-Term Supply of Timber." American Journal of Agricultural Economics, Vol. 64, No. 2 (1982), pages 232-241. A model of private supply is developed that explains both harvest and forest management investment decisions. Comparison of two fifty-year projections, one assuming constant management intensity and a second using the harvest-investment model, indicates that projected levels of investment would (1) have little impact on markets prior to the year 2000, (2) stabilize real wood product prices after 2000, (3) eliminate lumber imports by 2030, and (4) expand the dominant role of southern forest regions in wood product markets.

2855. 59 IIIB5 CHANG S.J. "An Economic Analysis of Forest Taxation's Impact on Optimal Rotation Age." Land Economics, Vol. 58, No. 3 (1982), pages 310-323.

2856. 59 IIIB5 NICHOLSON W.E., TEDDER P.L. Joint Timber-Harvest Scheduling by the U.S. Forest Service and the Bureau of Land Management. Forest Research Laboratory, Oregon State University, Corvallis. Research Bulletin 37 (1982), 41 pages. Joint harvest scheduling of Bureau of Land Management and U.S. Forest Service lands in western Oregon would result in small increases in harvests because of the physical allowable cut effect. Total revenues to counties in western Oregon would fall in the near future if revenues from a merged agency were determined according to current procedures. The decline in revenues would result from increased harvests from U.S. Forest Service lands and decreased harvests from Bureau of Land Management lands.

2857. 59 IIID1 BAUMGARTNER D.C., SIMARD A.J. Wildland Fire Management Economics: a State of the Art Review and Bibliography. USDA Forest Service General Technical Report NC-72 (1982), 46 pages. Reviews and summarizes literature concerned with applying economic theory and techniques to solve wildland fire management problems.

2858. 59 IIID3 BARGER R.L. "Research Needs: Engineering, Utilization Economics, Socioeconomics, and Fire." In, Proceedings of the Joint Canada/USA Workshop on Mountain Pine Beetle Related Problems in Western North America. Canadian Forestry Service BC-X-230 (1982), pages 24-28.

2859. 59 IIID3 MANNING G.H. "Impact of the Mountain Pine Beetle on the Economy of British Columbia." In. Proceedings of

the Joint Canada/USA Workshop on Mountain Pine Beetle Related Problems in Western North America. Canadian Forestry Service BC-X-230 (1982), pages 22-23.

2860. 59 IIID3 SHRIMPTON D.M. Proceedings of the Joint Canada/USA Workshop on Mountain Pine Beetle Related Problems in Western North America. Canadian Forestry Service BC-X-230 (1982), 87 pages. Mountain pine beetle is in direct competition with the forest industry for timber. Economic and attendant social effects are attributed to the epidemics through changes in allowable cut, value of products, resource flows, and increased protection and management costs.

2861. 59 IIID4 ANDERSON R.L., MCCLURE J.P., HOFFARD W.H., COST N.D. Incidence and Impact of Damage to South Carolina's Timber, 1979. USDA Forest Service Resource Bulletin SE-56 (1981), 34 pages. Recognized damaging agents include: insects, fusiform rust, Annosus root rot, littleleaf disease, hardwood cankers, other diseases, branch stubs, top breakage, other basal defects, fire, animal, weather, suppression and stagnation, logging and turpentining.

2862. 59 IIIE BATTUNG B.C. The Adaptability of Goal Programming for Multiple Use Forest Management in the Philippines. FAO, Rome (1981), 96 pages. Cited in FAO Documentation 82/3-4.

2863. 59 IIIE BRODERICK S.H., THURMES J.F., KLEMPERER W.D. "Economic Evaluation of Old-Field Loblolly Pine Plantation Management Alternatives." Southern Journal of Applied Forestry, Vol. 6, No. 1 (1982), pages 9-15. Using a computerized tree growth simulator for old-field plantations, this study reaches tentative and preliminary conclusions about loblolly pine plantation management systems which maximize rotation-start present value under various situations.

2864. 59 IIIE BUSBY R.J.N. "Economics of Growing Broadleaves." In, Broadleaves in Britain, proceedings Institute of Chartered Foresters. Editors: D.C. Malcolm, J. Evans, and P.N. Edwards. c/o Forestry Commission, Alice Holt Lodge, Wrecclesham, Farnham, Surrey GU10 4LH England. (1982), pages 197-203.

2865. 59 IIIE CORTNER H.J., SCHWEITZER D.L. "The Political Nature of Quantitative Models in Local Public Forest Planning." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 305-314. Examines the value judgements and political-institutional factors which influence the basic data used in analytical models, and the manner in which political-institutional factors determine how analytical results are used to make planning and implementation decisions.

2866. 59 IIIE HAROU P.A. "A Decision Framework and Possible Criteria to Monitor Forestry Activities." In, Proceedings 17th IUFRO World Congress, Kyoto, Japan. (1981), pages 315-322. A proper decision framework is suggested that permit the monitoring of forestry projects. Possible criteria are proposed to help the decision of continuing, changing or abandoning the projects.

2867. 59 IIIE HAROU P.A. "Monitoring Forestry Projects - The Alternative Test." Agricultural Administration, No. 9 (1982), pages 139-146. The financial monitoring of forestry projects requires periodic feedback to ensure that the project is "on target." If the goal of the forest manager is profit maximization, a realistic feedback mechanism is the Alternative Test. Other tests are presented for completeness. The Alternative Test compares the optimum Net Present Worth for the remaining years of the project with the project's abandonment value (defined as the return of funds that the investor can expect if a project is liquidated and/or replaced by a better alternative at a particular time in the life of the project). The Alternative Test is run every control period, based upon expectation at that time.

2868. 59 IIIE HAROU P.A.W. The Forestry Project Monitoring Cycle. Mass. Agric. Exp. Stn. Univ. of Mass. Research Bulletin 661 (1979), 26 pages.

2869. 59 IIIE HASEGAWA K., HISADA K. "A Comparison of the Profitability of Silvicultural Investment: Time Series Fluctuations and Regional Differences for Important Plantation Species." Ringyo Shikenjo Kenkyu Hokoku Bull For Prod Res Inst (Tokyo) No. 311 (1980) In Japanese. Pages 1-44. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2870. 59 IIIE HUMMEL F.C. "Broadleaves - a Private Investor's View." In, Broadleaves in Britain, proceedings Institute of Chartered Foresters. Editors: D.C. Malcolm, J. Evans, and P.N. Edwards. c/o Forestry Commission, Alice Holt Lodge, Wrecclesham, Farnham, Surrey GU10 4LH England. (1982), pages 204-210.

2871. 59 IIIE OSTEEN C., CHAPPELLE D.F. Forest Resource Management Options for the Kalamazoo River Basin. Res Rep Mich State Univ Agric Exp Stn No. 404 (1981), 12 pages. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2872. 59 IIIE PROCHAZKA J. "Prospective Plans As a Part of the Planned Control and Management of Forestry." Lesnictvi, Vol. 28, No. 6 (1982) In Czech with Russian, English, German and French summaries. Pages 445-454.

2873. 59 IIIE WILLIAMS M.R.W. Decision-Making in Forest Management. Forestry Research Studies Series. Research

Studies Press. (1981), 139 pages. First of a series of books sponsored by the Royal Forestry Society, reviewed in Quarterly Journal of Forestry, Vol. 76, No. 2.

2874. 59 IVA1A DAVIS G. "Upward Trend Conceals Fluctuations." Timber Trades Jnl., Vol. 320, No. 5499. (1982), page 29. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2875. 59 IVA1A 1980 Yearbook of Forest Products 1969-1980. FAO Forestry Series - Rome (1982) In English, French, and Spanish. 414 pages.

2876. 59 IVA1B MILNE G.R. The Economic Impact of the Sawmill and Planing Mill Industry in the Bonavista Peninsula Region, Newfoundland, in 1980. Canadian Forestry Service Information Report N-X-207 (1982), 24 pages. Impacts of unemployment, income and company expenditures on the regional economy are specifically examined, based on data collected by a questinnaire survey.

2877. 59 IVA1B MONTGOMERY A.A., CHAFFIN R.L. The Economic Importance of Georgia's Forest Industry. Georgia Forest Research Paper No. 27 (1982), 27 pages.

2878. 59 IVA1B RUDERMAN F.K. Production, Prices, Employment, and Trade in Northwest Forest Industries, Second Quarter 1981. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station. (1981), 61 pages. Current information on timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

2879. 59 IVA1B RUDERMAN F.K. Production, Prices, Employment, and Trade in Northwest Forest Industries, Third Quarter 1981. USDA Forest Service, Pacific Northwest Forest and Range Experiment Station. (1981), 61 pages. Current information on timber situation in Alaska, Washington, Oregon, California, Montana, Idaho, and British Columbia, including data on lumber and plywood production and prices; timber harvest; employment in forest products industries; international trade in logs, pulpwood, chips, lumber, and plywood; log prices in the Pacific Northwest; volume and average prices of stumpage sold by public agencies; and other related items.

2880. 59 IVA1B STIER J.C. "Estimating the Production Technology in the U.S. Forest Products Industries." Forest Science, Vol. 26, No. 3 (1980), pages 471-482. Estimates of the parameters of the production technology in ten U.S. forest products industries are derived from the dual cost

function. Results indicate that over the period 1958-74, technological progress has been Hicks neutral in the wooden container and building paper industries; in all eight remaining industries efficiency gains were labor-saving. Comparison with other studies indicates that short-run factor substitution possibilites are more limited in the forest products industries than in many other U.S. manufacturing industries.

2881. 59 IVA1B ULRICH A.H. U.S. Timber Production, Trade, Consumption, and Price Statistics 1950-80. USDA Forest Service, Miscellaneous Publication No. 1408 (1981), 81 pages.

2882. 59 IVA1C DAVIS G. "Markets Softwood: UK Imports Drop to 29-Year Low." Timber Trades Jnl., Vol. 320, No. 5496 (1982), pages 15-16. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2883. 59 IVA1C LEZHEN V.I. "Complex Production Associations, the Basis for Effective Use of Wood." Derevoobrab Prom-st', No. 1 (1981) In Russian. Pages 5-7. Cited in Bibliography of Agriculture, Vol. 46, No. 4. Forestry, forest industry, wood processing enterprises in Byelorussian SSR.

2884. 59 IVA1C RICHARDS E.G. "The Wood Processing Industries." Forestry and British Timber, Vol. 11, No. 4 (1982) Forestry in Britain Supplement, pages 26 -27. Cited in TRADA Library Bulletin, Timber Research and Development Association, Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2885. 59 IVA1C China - Integrated Wood Industries and Small Scale Factories. Report of a UNDP/FAO study tour. FAO, Rome, Forestry Dept. (1980) In French. 101 pages. Cited in FAO Documentation 82/3-4.

2886. 59 IVA1C "A Survey of the Swedish Pulp and Paper Industry in 1980." Forest Products Review, Vol. 37, No. 2 (1981), pages 12-13.

2887. 59 IVA1E BOOTH H. Improvement of Sawnwood Production for Domestic and Foreign Markets in Peru. Working Document 81/32 (1981) In Spanish. 43 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2888. 59 IVA1E BUENAFLOR V. Forestry and Forest Products Development, Indonesia (Logging and Transportation). FAO, Rome, Forestry Dept. Working Paper 10 (1981), 105 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2889. 59 IVA1E FIRMANSJAH "Indonesia's Timber Industry - Past Present and Future." Asian Timber, Vol. 1, No. 2 (1982), pages 22, 24. Cited in TRADA Library Bulletin,

Timber Research and Development Association, Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2890. 59 IVA1E GUHA S.R.D., RAJPUT S.S. "Future of Joinery Industries in India." Jnl. of the TDA of India, Vol. 27, No. 4 (1981), pages 5 - 12. Cited in TRADA Library Bulletin, Timber Research and Development Association, Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2891. 59 IVA1E MCCARTY H.J., MUMTAZ M., TUFAIL M. Hazara Pulpwood Inventory Report, Pakistan. Field Document 4 (1981), 51 pages. Cited in FAO Documentation Current Bibliography, Nov.-Dec. 1981.

2892. 59 IVA1E SANVICTORES E.F. "Philippines Plan Expansion of Forest Industry." Asian Timber, Jan./Feb. (1982), pages 35, 37, 39. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2893. 59 IVA2 Post's Pulp and Paper Directory 1980. Miller Freeman Publications. Available from Unipub. (1980), 682 pages. Covers mills, converting plants, classified mill grades and product lists, mill officials list with over 13,000 names, production statistics, machinery and process data, associations, schools, research facilities, and mill buyer's guide.

2894. 59 IVA2 Tappi Membership Directory 1982. Vol. 65, No. 4A (1982), 41 pages.

2895. 59 IVA2 1981 Directory of the Forest Products Industry. Miller Freeman Publications. Available from Unipub. (1981), 648 pages. Guide to the logging, pulp, wood, lumber, plywood and board industries of the U.S. and Canada. Lists all important mills in North America and all major logging operations, including over 9000 independent producers.

2896. 59 IVA4 KOZHUKOV N.I., KOLOSOV V.S. "Dynamic Model of the Optimization of the Distribution of Money for the Production of Commodity Output in Forestry." Isv Vyssh Uchebn Zaved Lesn Zh, No. 4 (1980) In Russian. Pages 107-115. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2897. 59 IVB2 CUBBAGE F.W., GRANSKOG J.E. "Harvesting Systems and Costs for Southern Pine in the 1980s." Forest Products Journal, Vol. 32, No. 4 (1982), pages 37-43. Harvest costs per cord are estimated, using computer simulation, for current southern pine harvesting systems. If sufficient progress is made toward the adoption of the most efficient systems, logging costs could rise less than the general inflation rate.

2898. 59 IVB2 WITHYCOMBE R.P. Estimating Costs of Collecting and Transporting Forest Residues in the Northern Rocky Mountain Region. USDA Forest Service General Technical Report INT-81 (1982), 12 pages. A model is presented for computing the costs of harvesting forest residues, based on several key characteristics of the residues and the logging area. Costs per unit are presented in tabular form for several alternative harvesting methods.

2899. 59 IVB3 Economic Aspects of the Fuller Use of the Forest Biomass. Note by the Secretariat. FAO, Geneva. Joint ECE/FAO Agric. and Timber Div. (1981) In English and French. 7 pages. Cited in FAO Documentation Current Bibliography, Jan-Feb-82.

2900. 59 IVC1A KING K.F.S. "The World's Supply of Sawn Timber in the 1980's." Australian Forest Industries Jnl., Vol. 47, No. 11 (1981), Pages 20-24. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2901. 59 IVC1A KONCHEVSKAIA M.G. "Studies of Economic Indicators of Sawn Timber Production in Relation to the Amount of Waste Wood Utilization." Izv Vyssh Uchebn Zaved Lesn Zh, No. 4 (1980) In Russian. Pages 118-120. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2902. 59 IVC1A MC CURDY D.R., WILDERMUTH D.W. The Pallet Industry in the United States 1980. Dept. of Forestry, School of Agric., Southern Illinois University at Carbondale. (1981), 14 pages. The U.S. pallet industry is currently producing at only 60 percent of its production capacity.

2903. 59 IVC1A MCELROY J., DEAN I. "Commodity Trends: Solid Wood Products 1979-80." Forest Products Review, Vol. 37, No. 1 (1981), pages 14-15.

2904. 59 IVC1A MCELROY J.E. "Commodity Trends: Solid Wood Products January-June 1980-81." Forest Products Review, Vol. 37, No. 3 (1981), pages 3-5.

2905. 59 IVC1A MCELROY J.E., MITCHELL A. "1981 Review and Outlook: Lumber and Panel Products." Forest Products Review, Vol. 37, No. 4 (1982), pages 18-22.

2906. 59 IVC1D FRONIUS K. "Sawing of Small Logs - Installations and Performance." Internationaler Holzmarkt, Vienna, No. 9 (1982) In German. Pages 1-6. Special installations make small coniferous logs with a diameter of 12-22 centimeters feasible for sawmills. There is heavy competition with pulp and paper industry for this limited raw material so that new installations must be carefully planned.

2907. 59 IVC2A ALLAN D.R. "Canadian Industry Faces Off Year but U.S., Europe Should Do Better." Pulp and Paper, Vol. 56, No. 4 (1982), pages 151-153. U.S. will buy less Canadian pulp than in 1982, and labor settlements threaten Canada's competitiveness.

2908. 59 IVC2A BUTTS D.W., POST H.A., SMITH L.S. "1981 Review and Outlook: Pulp, Paper, Board, and Converted Products." Forest Products Review, Vol. 37, No. 4 (1982), pages 3-17.

2909. 59 IVC2A GALSWORTHY A.M.J., VENESS J.C., GLASS M. A Revised Outlook for Western European Economies, Printing and Writing Trends and Paper-Grade Market Pulps 1980-1985. The Marketing Dept., ECC International Ltd., John Keag House, St. Austell, Cornwall, England PL25 4DJ (1982), 29 pages.

2910. 59 IVC2A POST H.A., BUTTS D.W., SMITH L.S. "Commodity Trends: Pulp, Paper and Board January-March 1980-81." Forest Products Review, Vol. 37, No. 2 (1981), pages 7-11.

2911. 59 IVC2A POST H.A., BUTTS D.W., SMITH L.S. "Commodity Trends: Pulp, Paper and Board and Containers; 1979-80." Forest Products Review, Vol. 37, No. 1 (1981), pages 8-13.

2912. 59 IVC2A POST H.A., BUTTS D.W., SMITH L.S. "Commodity Trends: Pulp, Paper, and Board January-June 1980-81." Forest Products Review, Vol. 37, No. 3 (1981), pages 6-11.

2913. 59 IVC2A Projected Pulp and Paper Mills in the World 1980-1990. FAO. Available from Unipub. (1981), 132 pages. Pulp and paper expansion throughout the world including mills under construction, firmly committed, requiring financing, and requiring approval by the company or government.

2914. 59 IVC2A Pulp and Paper Capacities 1981-1986. FAO (1982) In English, French and Spanish. 248 pages.

2915. 59 IVC2B Transport and Handling in the Pulp and Paper Industry, Volume 4: Proceedings of the Fourth International Symposium on Transport and Handling in the Pulp and Paper Industry, London, England, 1980. Miller Freeman Publications. Available from Unipub. (1981), 208 pages. Papers presented at the symposium consider a variety of ways to counter the effects of higher fuel costs, explore new designs and techniques, and analyze different methods for handling the flow of raw materials to production areas and products to distant markets.

2916. 59 IVC2C POST H.A. "Old News Survey Completed in Four South Atlantic States." Forest Products Review, Vol. 37, No. 3 (1981), pages 12-14. Preliminary data from a

survey by the Office of Basic Industries, Bureau of Industrial Economics, to determine the supply and recovery of waste newspapers - old news grades - in four South Atlantic states and to identify markets for such grades.

2917. 59 IVC2C RUDIS V.A. Southern Pulpwood Production, 1980. USDA Forest Service Resource Bulletin SO-84. (1982), 22 pages. Pulpwood production in the South remained relatively constant at 54.5 million cords, compared with 54.3 million cords in 1979. Alabama, Georgia, and Mississippi continue to be the major producing states. Roundwood production increased by three percent, while wood residues used in pulping declined by five percent. Daily pulpmill capacity expanded to 111,927 tons during the year.

2918. 59 IVC3A DAVIS G. "World Panel Statistics: Plywood and Particleboard Production Highest in 1979." Wood Based Panels International, No. 8 (1982), pages 28-9. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2919. 59 IVC3A DICKERHOOF H.E., YOUNGQUIST J.A., CARLL C.G. "U.S. Wood-Based Panel Industry: Production Trends and Changing Markets." Forest Products Journal, Vol. 32, No. 6 (1982), pages 14-23. Covers softwood, hardwood and decorative plywood, particleboard, medium density fiberboard, hardboard, structural insulation board, structural flakeboard, and panels made with veneer faces and particle cores. In each of these product categories raw material considerations, production statistics, and consumption of the product are discussed. Major uses for each commodity are reviewed and where data are available, product imports and exports are highlighted.

2920. 59 IVC3A GINNINGS J.M. "What Next for Asia's Panels Industry?" Asian Timber, Vol. 1, No. 2 (1982), pages 34-35. Cited in TRADA Library Bulletin, Timber Research and Development Association, Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2921. 59 IVC3B LEE J.K. "A Model Study on the Economical Scale of Investment and Product Price of Plywood Firms in Taiwan." Chin. Q.J. For., Vol. 15, No. 1 (1982) In Chinese with English abstract. Pages 77-82. Economical scale of Taiwan's plywood firms are decreasing with low rate of technological change and uneconomical management.

2922. 59 IVC7 MARCIN T.C. Population Change as Related to Long-Term Cycles in Residential Construction in the United States. USDA Forest Service Research Paper FPL 392 (1981), 13 pages. Analyzes potential effects of population growth rate and age structure on potential housing demand, based on three alternate assumptions for population and economic growth.

2923. 59 IVC7 MARCIN T.C., SPELTER H. "Trends in Lumber Used for Housing." In, Metal Plate Wood Truss Conference, Published by Forest Products Research Society, Madison, WI (1981), pages 173-180. General wood use trends in the lst 30 years of residential construction including changing housing characteristics in framing, flooring, amenities, sheathing, and the use of trusses.

2924. 59 IVC8 CARPENTER S.B. "Biomass Planting for Energy Production on Reclaimed Surface Mines." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 240-242.

2925. 59 IVC8 CHASE C.L. "Potential for Wood for Energy as a Resource in the Pacific Northwest." In, Land-Use Allocation: Processes, People, Professionals. Proceedings of the 1980 Convention of the Society of American Foresters. (1981), pages 86-91.

2926. 59 IVC8 CHAUVIN H. "When an African City Runs Out of Fuel." Unasylva, Vol. 33, No. 133 (1981), pages 11-20. Ivory Coast forests may provide the solution to Ouagadougou's energy problems: surrounding tree cover is disappearing and imported oil is not practical.

2927. 59 IVC8 CHOUDHURY J.M. "Energy Plantations in Arunachal Pradesh." The Indian Forester, Vol. 107, No. 12 (1981), pages 804-807.

2928. 59 IVC8 DAS M.C. "Planting for Energy in Orissa." The Indian Forester, Vol. 107, No. 12 (1981), pages 823-829.

2929. 59 IVC8 DENNISON S.E., HAROU P.A.W. The Economic Feasibility of Wood Waste Recovery in a Three County Urban Region. Cooperative Extension Service, Univ. of Mass No. SP-130 (1981), 204 pages.

2930. 59 IVC8 FRASER H.R. "Energy from Wood Is Goal of Ambitious Brazilian Plan." World Wood, Vol. 23, No. 1 (1982), page 18.

2931. 59 IVC8 GHOSH R.C. "Energy Problems and Energy Crops." The Indian Forester, Vol. 107, No. 12 (1981), pages 771-776. Compromise must be reached in competitive land use practices in order to establish energy plantations. Technology for more efficient conversion of wood into energy is needed as well as social changes making wood a popular and acceptable source of energy.

2932. 59 IVC8 KANT H. "Logging Waste - a Potential Source of Energy." The Indian Forester, Vol. 107, No. 12 (1981), pages 818-822.

2933. 59 IVC8 KAUL R.N., GURUMURTI K. "Forest Energy in India: the State of the Art." The Indian Forester, Vol. 107, No. 12 (1981), pages 737-743. Pattern of energy use

in rural India indicates that by 1990 fuelwood production will fall short of requirements by 100 million cubic meters. Decentralized fuelwood system - social forestry amd commercial fuelwood farming system and their feasibility in meeting energy requirements are discussed. Covers research and development in augmenting and utilizing the biomass resource at the national level.

2934. 59 IVC8 KHANCHANDANI M.S. "Establishment of Forest Energy Resource Base in Gujarat." The Indian Forester, Vol. 107, No. 12 (1981), pages 777-784. Concepts of energy plantations, advantages of biomass energy over fossil and fissionable fuels and the economics of conventional fuels for power generation in Gujarat State.

2935. 59 IVC8 OKA A.G. "Energy Plantations in India - Prospects and Perspectives." The Indian Forester, Vol. 107, No. 12 (1981), pages 758-766. Projected estimate of fuelwood, land required to grow fuelwood, possible sources of land that could be tapped for fuelwood and management of various types of areas for fuelwood as well as research requirements in silviculture and economics.

2936. 59 IVC8 PANT M.M. "Wood to Alleviate India's Energy Crisis." The Indian Forester, Vol. 107, No. 12 (1981), pages 795-803. Since most fossil fuels are exhaustible and their availability is already posing problems, the rising demands of energy will have to be met increasingly with renewable resources, mainly wood and hydroelectricity.

2937. 59 IVC8 REDDY C.V.K. "Meeting the Challenge of Energy." The Indian Forester, Vol. 107, No. 12 (1981), pages 813-817. Intensified social forestry activities can alleviate the energy crisis. Includes case studies of cooperation between forest departments, industries and the people in raising energy plantations.

2938. 59 IVC8 SARMA B.S.K. "Forests for Fuel." The Indian Forester, Vol. 107, No. 12 (1981), pages 808-812.

2939. 59 IVC8 SULLIVAN J., HAROU P.A., MACCONNELL W.P. The Feasibility of Fuel Chip Production from Southern New England Logging Residues. Cooperative Extension Service, Univ. of Mass. No. SP-132. (1982), 136 pages.

2940. 59 IVD4 SMALL B.E.J. "The Australian Eucalyptus Oil Industry - An Overview." Australian Forestry, Vol. 44, No. 3 (1981), pages 170-177. Current world requirement is 2000 to 3000 tons annually with a turnover of 5 to 7 million Australian dollars. China has the major share (45 percent) of the world market. Australia supplies less than 3 percent.

2941. 59 VA1 HUTTUNEN T. "Wood Consumption, Total Drain and Forest Balance in Finland, 1979-81." Folia Forestalia, No. 495 (1981) In Finnish with an English summary.

Pages 1-47. Part of annual wood statistics series published by the Finnish Forest Research Institute since 1964. Includes estimates for 1980 and 1981. Time series are included for the period 1960 to the present.

2942. 59 VA1 RISBRUDT C.D., STONE R.N. "Trends and Patterns in Wood Products Consumption and Production." In, Timber Demand: The Future is Now, Proceedings. Forest Products Research Society, Madison, WI (1981?), pages 24-34. Over the past 80 years, timber products consumption in the U.S. has varied between 11 and 15 billion cubic feet. The proportion of products consumed has changed considerably, especially on a per capita basis. For the U.S., trends in consumption, timber inventories, production, and international trade continue upward. For the world, production in 1977 was over 90 billion cubic feet, and international trade is increasing.

2943. 59 VA1 World Forest Products Demand and Supply 1990 and 2000. FAO Forestry Paper 29, Rome. (1982), 346 pages. A study presented to the Food and Agriculture Organization by a Forestry and Forest Industry Working Party including estimates of production and consumption of five wood product groups, separately for softwood and hardwood species groups; estimates of wood supply and of demands on the forest for two main categories of raw materials - sawlogs and fibrelogs - as well as of wood residuals created in processing the sawlogs and of the portion of these used as raw materials in processing pulp or reconstituted wood panels.

2944. 59 VA2 BINDER W. "Aim and Importance of a Normative Calculation for the Planning of Raw Wood Supply." Soz Forstwirtsch, Vol. 30, No. 10 (1980) In German. Pages 309-311. Cited in Bibliography of Agriculture, Vol. 46, No. 4.

2945. 59 VB1 EVANS K. "US Importers Look to Southeast Asia." Asian Timber, Jan./Feb. (1982), pages 23, 45. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2946. 59 VB1 LORENZEN C.C. "Marketing of Timber Products in the 80's." Australian Forest Industries Jnl., Vol. 47, No. 11 (1981), pages 59-60. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2947. 59 VB1 STRANGH L. "Spotlight on North Africa and the Middle East: Scandinavia Looks East to Export." Timber Trades Jnl., Vol. 320, No. 5499. (1982), Page 21. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2948. 59 VB1 TROUSDALE D. "The Fine Art of Marketing Timber for Profit - A Merchant's Viewpoint." Australian Forest Industries Jnl., Vol. 47, No. 11 (1981), pages 62-73. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2949. 59 VB1 ZIBERNA F. "Supply and Demand in Arab Markets." Timber Trades Jnl., Vol. 320, No. 5499 (1982), pages 26-7, 29. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2950. 59 VB3 COOPER D.J. "Market Review of Small Roundwood." In, Broadleaves in Britain, proceedings Institute of Chartered Foresters. Editors: D.C. Malcolm, J. Evans, and P.N. Edwards. c/o Forestry Commission, Alice Holt Lodge, Wrecclesham, Farnham, Surrey GU10 4LH England. (1982), pages 221-223.

2951. 59 VB4 ALMARIO P. "Plywood Marketing Problems Continue." Asian Timber, Jan./Feb. (1982), pages 19, 21. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2952. 59 VB4 CHOU JIEH-JEN, BUONGIORNO J. "United States Demand for Hardwood Plywood Imports: A Distributed Lag Model." Agricultural Systems, Vol. 8, No. 3 (1982), pages 225-239.

2953. 59 VB4 DARR D.R. Interactions between Domestic and Export Markets for Softwood Lumber and Plywood: Tests of Six Hypotheses. USDA Forest Service Research Paper PNW-293 (1981), 22 pages. Price formation in export markets and available data on export and domestic markets. Results of tests of several hypotheses about interactions between domestic and export markets are presented and interpreted from the standpoints of trade promotion and trade policy.

2954. 59 VB4 DAVIS G. "Markets: Panels: New Record High for Particleboard Imports." Timber Trades Jnl., Vol. 320, No. 5498. (1982), Page 19. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2955. 59 VB4 DAVIS G. "Sharp Recovery in UK Plywood and Blockboard Imports in 1981." Timber Trades Jnl., Vol. 320, No. 5497. (1982), page 20. Cited in TRADA Library Bulletin, Mar. 82. Timber Research and Development Assoc., Hughenden Valley, High Wycombe, Buckinghamshire, HP14 4ND, England.

2956. 59 VB4 ELLIOTT G.K. "The British Market for Broadleaved Sawnwood and Plywood." In, Broadleaves in Britain,

proceedings Institute of Chartered Foresters. Editors: D.C. Malcolm, J. Evans, and P.N. Edwards. c/o Forestry Commission, Alice Holt Lodge, Wrecclesham, Farnham, Surrey GU10 4LH England. (1982), pages 211-220.

2957. 59 VB5A SMITH L.S. "Soaring U.S. Paper Exports in 1980 Achieve First Post World War II Trade Surplus." Forest Products Review, Vol. 37, No. 1 (1981), pages 16-23.

2958. 59 VB7 HU S.C., BURNS P.Y. Christmas Tree Marketing Studies in the Baton [illegible]ge Area. LSU School of Forestry and Wildlife Management, LSU Forestry Note No. 132. (1981), 3 pages.

2959. 59 VC1 BARTUNEK J. "Wood Price in the Planned Control and Management System." Lesnictvi, Vol. 28, No. 6 (1982) In Czech with Russian, English, German and French summaries. Pages 497-510.

2960. 59 VC1 Forest Products Prices 1961-1980. FAO Forestry Paper No. 23. Available from Unipub. (1981), 113 pages. Statistical reference relevant to medium- and long-term policy formulation in forestry and the forest industries. Provides a readily available source of comparative information for use at the preliminary stages in the formulation of investment projects.

2961. 59 VC1 "International Price Trends 1960-81." Commodity Review and Outlook: 1981-82, FAO (1981?), pages 98-104.

2962. 59 VC2 BRANNMAN L., BUONGIORNO J., FIGHT R. "Quality Adjusted Price Indices for Douglas-Fir Timber." Western Journal of Agricultural Economics, Vol. 6, No. 2 (1981), pages 259-272. Four hedonic methods were used to develop indices of pure price change holding stumpage characteristics constant. None indicated a significant trend in quality over the period 1968 to 1978. Quality differences appeared to play a role in the year-to-year price changes. Advantages and inconveniences of each indexing method and their use for various purposes are discussed.

2963. 59 VC2 HUTCHINS C.C.JR. Pulpwood Prices in the Southeast, 1980. USDA Forest Service Research Note SE-313. (1982), 3 pages. In 1980, for the first time annual expenditures for wood fiber in the Southeast surpassed one billion dollars. The increase over 1979 was 13.9 percent.

2964. 59 VC2 LATHAM R.P. "Methods for Indexing Southern Stumpage Sales." Southern Journal of Applied Forestry, Vol. 6, No. 2 (1982), pages 90-93. Indexing of stumpage prices to product prices is explained. The basic economic role of such indexing appears sound and may lead to its increased adoption. Several time-series to which stumpage prices could be tied are available. Alternative mechanisms for tying stumpage rates to these time-series are discussed.

2965. 59 VC2 NAUTIYAL J.C. "Stumpage Price Function for Hardwoods in the Niagara District of Ontario." Canadian Journal of Forest Research, Vol. 12, No. 2 (1982), pages 210-214. Data were obtained from the competitively sold small sale lots in the district and a nonlinear regression method was used. Such a method can successfully be used for estimating upset prices for sales and for deciding on outlays for sulvicultural operations.

2966. 59 VC2 RUDIS V.A. "Pulpwood Prices Comparison 1980-1979." Forest Farmer, Vol. 41, No. 5 (1982), pages 10-11. Analyses of prices paid in seven southern states indicate that all categories of pulpwood brought higher average prices in 1980, but the rate of gain was not as substantial as it was in 1979.

CUMULATIVE AUTHOR INDEX FOR 1982

Reference is to citatonion number. Citations 1753-2169 appear in issue 57 (February 1982), 2170-2583 appear in issue 58 (June 1982), 2584-2966 appear in issue 59 (October 1982).

AARNE M.
2506
ABBOTT H.G.
2775
ABSHER J. D.
2429
ACHTERMAN G.L.
2816
ADAMS D.
2521
ADAMS D.M.
1762, 1763, 2159, 2161, 2167, 2854
ADAMS DARIUS M.
2143, 2151, 2579
ADAMS THOMAS C.
2132
ADLARD P.G.
1823
AINSCOUGH G.L.
2762
AKKERMANS P.
1970
ALBRECHT D.
2431
ALEEM A.
2045
ALEY JACK
2157
ALLAN D.
2521
ALLAN D.R.
2907
ALMARIO P.
2951
ALPERS W.
2185
AMES GLENN C.W.
2529
AMINOFF S.
2341
ANDENMATTEN H.
2186
ANDERSEN LEIF
1753
ANDERSON B.W.
2683
ANDERSON D.H.
2836
ANDERSON F.J.
2464
ANDERSON LINDA M.
2034
ANDERSON R.L.
2861
ANDERSON ROBERT L.
2073
ANDREASON O.
1850
ANDRUS CHARLES W.
2108
ANGSTROEM A.
2702
ANKO B.
1783
ANSARI M.Y.
2069, 2153
ARNDT L.K.
2427
ARNOLD J.E.M.
1912
ARNOLD M.
1824
ARNOT R.H.
2423
AROLA RODGER A.
2127
ARVESEN A.
1900
ASHISH M.
1825
ATIENZA P.M.
1997
AUDEMA M.
2476
AULLO URECH M.
1826, 2635
AYER H.W.
2267
BACHTEL D.C.
2009
BACKER M.
2636
BAGDWAL V.S.
2512
BAIRD J.
2118

BAJRACHARYA K.M.
1827
BAKER A.
2549
BALFOUR J.
1927
BALFOUR W.J.
2424
BANDO T.
2355
BANGMAN G.
2276, 2295, 2530
BARBER R.L.
2854
BARGER R.L.
2731, 2858
BARKER P.A.
2449
BARNEY RICHARD J.
2375
BARRETT J.P.
2450
BARROWS R.
2684
BARTELHEIMER P.
2012, 2696
BARTENSTEIN FRED
2050
BARTOW K.E.
2650
BARTUNEK J.
1784, 2054, 2095,
2959
BASSETT P.M.
2589, 2590
BASU S.
2498
BATTUNG B.C.
2862
BAUMGARTNER D.C.
2857
BAXTER HAROLD O.
2529
BEARD E.R.
2292
BEAVERS J.R.
2662
BECHTOLD W.A.
2591
BECHTOLD WILLIAM A.
1764, 1777
BECKER M.
2558
BECQUET M.
2527
BEHAN R.W.
2247, 2704
BEIGIE CARL E.
2248
BEKH I.A.
2456
BELDI F.
2711
BELL E.F.
2343, 2710
BENIDICKSON J.
2598
BENSON ROBERT E.
2425
BENTE P.F. JR.
2531
BENTICK B.L.
2685
BERGER E.P.
1960, 1961
BERGER RICARDO
2249
BERKOVITCH I.
2612
BERRIDGE R.D.
2780
BERRIER D.L.
2837
BETTERS DAVID R.
2082
BICKERSTAFF A.
2174
BIESTERFELDT R.C.
1770
BILEK EDWARD M.
2087
BINDER W.
2944
BIRCH T.
2770
BIRCH T.W.
2593
BIRKELAND R.
2187
BITTIG B.
1895
BJERKETVEDT R.
1937
BLATNER KEITH A.
1975
BLINOV O.S.
2510
BLUDOVSKY Z.
1851, 1951, 2206,
2584, 2613, 2739

BLYTH JAMES E.
2088, 2089, 2122, 2526
BOCKSTAEL N. E.
2444
BOHNING R.A.
2107, 2503
BOL M.
1785
BONES JAMES T.
2123
BONNICKSEN T.M.
2416
BONT A.
2477
BOOTH H.
2887
BORETTI P.
1837
BOSMAN D.L.
2706
BOVEN B.
2128
BOWLBY V.L.
2403
BRAND GARY J.
2074
BRANNMAN L.
2962
BRATTON S.P.
2430
BRAUN F.W.
2695
BRAY MARY A.
2534
BREWER G.D.
2250
BRINKHOFF W.
2062
BRODA J.
1786
BRODERICK S.H.
2863
BRODIE J. DOUGLAS
2459
BRODNJAK S.
2075
BROOKS K.
2046
BROOKS P.R.
2592, 2650-2652
BROWN F. E.
2383
BROWN P.J.
2020, 2825
BROWN SANDRA
2232
BROWN T. C.
2376
BRUCE IAN A.
2457
BRUNI L.
1754
BRUSH R.O.
2426
BUCHER H.
1962
BUCK RICHARD L.
2053
BUDI ARTHA M.
2734
BUDOVSKY Z.
2624
BUDOWSKI G.
2388
BUENAFLOR V.
2888
BUHYOFF G.J.
2427
BUIST LEON J.
2408
BULL P.C.
2843
BULTENA G.
2431, 2432
BUNN E.H.
2630
BUONGIORNO J.
2224, 2952, 2962
BUONGIORNO JOSEPH
2225, 2559
BURCH W. R. JR.
2433
BURNS P.Y.
2007, 2958
BURY RICHARD L.
2030
BUSBY R.J.N.
2478, 2864
BUTORA V.
2747
BUTTS D.W.
2908, 2910-2912
BYRNE J.G.
2799
BYRON R.N.
2653
CALANOG L.A.
1997
CALLAHAM R.Z.
2296

CALLAHAM ROBERT Z.
2297
CAMPBELL GENE E.
2028
CAMPBELL J.
2844
CANHAM H. O.
2434, 2436, 2492
CARLL C.G.
2919
CARPENTER EUGENE M.
2129
CARPENTER S.B.
2924
CARROLL J.E.
2450
CARROLL M.R.
2577
CARTER B.D.
1988
CASE PAMELA J.
1901
CASEY JOHN
1822
CASTILLO R.A. DEL
2309
CATINOT R.
2532
CAUFIELD C.
2637
CAULFIELD S.
2372
CERNEA M.M.
2377
CHAFFIN R.L.
2877
CHAMBERS A.D.
2654
CHANDOLA L.P.
2142
CHANG I.H.
2188
CHANG S.J.
2465, 2855
CHAPPELLE D.E.
2397
CHAPPELLE D.F.
2871
CHARLTON AMELLE ANGELA A.
2373
CHARTIER P.
2542
CHASE C.L.
2925
CHAUDHRY MUHAMMED AZFAL
1998
CHAUVIN H.
2926
CHAVASSE C.G.R.
2707
CHEN CHAW-MING
2826
CHING C.T.K.
2404
CHO EUNG HYOUK
1959
CHOU JIEH-JEN
2952
CHOUDHURY J.M.
2927
CHRISTENSEN JENS BJERREGAARD
2013
CHRISTOPHERSEN K.A.
2226, 2244
CHUBB M.
2822
CLARK R. N.
2435
CLAWSON MARION
1983
CLEMENT J.
1828
CLEPHANE THOMAS P.
2150
CLERC F.
2251
CLEVELAND H.
2537
CLINGER B. A.
2434, 2436
COATS ROBERT N.
2252
COGGANS T.P.
2280
COLE D.N.
2823, 2824
COMBE J.
2729
CONACHER A.
2327
CONDRELL W. K.
2281
CONDRELL WILLIAM K.
1881, 1882
CONKLIN J.B.
2673
CONNAUGHTON K.P.
2167
CONSIDINE T.J. JR.
2604

CONTRERAS A.
2655
CONTRERAS SALAS M.
2304
CONVERY F.J.
2517
COOK C.C.
2697
COOPER A.W.
2656
COOPER D.J.
2950
COPPIN P.
1829, 1830
CORDELL H. KEN
2014
CORDELL H.K.
2378
CORMIER PAULA L.
2437
CORTNER H.J.
2865
CORTNER HANNA J.
1852
COST N.D.
2861
COST NOEL D.
2073
COUFAL JAMES E.
2305
COUGARD M.
2528
COUNTRYMAN DAVID W.
2028
COURTER RICHARD W.
2162
COX D.R.
2698
COX T.R.
2830
CRABB P.
2417
CRAIG G.A.
2657
CRAVER GERALD C.
1778
CRAWFORD D.B.
2790
CROSSMAN E.R.F.W.
2449
CROUSE C.K.
2363
CROW A.B.
2585
CROWELL J.B.JR.
2781
CROWELL JOHN B. JR.
1971
CUBBAGE F.W.
2658, 2897
CULHANE PAUL J.
1853
CUMMING D.G.
2011, 2361
CUNNINGHAM G.
2687
CUNNINGHAM J.M.M.
1787
CURTIS W.R.
2732
CUTLER M.R.
2782
DANIEL RONNIE
2010
DANLEY M.S.
2839
DANTZENBERG N.
2495
DARGAVEL JOHN
2381
DARR D.R.
2159, 2953
DARR DAVID R.
2151
DAS M.C.
2928
DASKE D.
2023
DAUTZENBERG N.
2189, 2560
DAVALOS J.T.
2253
DAVIES E.J.M.
2614
DAVIS DAVID T.
1956
DAVIS G.
2874, 2882, 2918,
2954, 2955
DAVIS H.F.
2847
DAVIS L.S.
2712
DAVIS T.S.
2009
DAWSON M.S.
2833
DE LAS SALAS G.
2306
DE STEIGUER J. EDWARD
1896
DE STEIGUER J.E.
1986, 2578, 2720

DEAN I.
2903
DEHERVE L.
2713
DELWAULLE J. -C.
1835
DEMSKI J.W.
2009
DENNIS D.D.
2593
DENNIS D.F.
2759
DENNISON S.E.
2929
DEWEES P. A.
2328
DIAMOND J.
2768
DICKERHOOF H.E.
2919
DICKSON DAVID R.
2124
DILS ROBERT E.
2380
DIMITROW ST.
2615
DOLAN A.G.
2356, 2357
DON R.T.
2797
DONNELLY DENNIS M.
2125
DORONIN N.A.
2096
DOUTRELOUX J.
2072
DOWDLE B.
2570
DOWNIE W.B.
1963
DRAEGER WILLIAM C.
2029
DRESCHER J.
2190
DRESCHLER ERWIN S.
2452
DRINIC PETAR
2479
DRIVER B.L.
2019, 2020, 2040
DUFT K.D.
2533
DUNN B. ALLEN
1854
DUPLITO O.T.
1997
DURST PATRICK B.
1831
DUTROW G.F.
2854
DUTTA A.K.
2512
DWYER JOHN F.
2051, 2053, 2452
EISENMAN E.
2409
EK ALAN R.
1897
ELERSEK L.
2191
ELIZAROV A.F.
2480
ELLEFSON P.V.
2342, 2658
ELLEFSON PAUL V.
2087, 2091
ELLIOTT G.K.
2956
ELOVIRTA P.
1930
ELSNER G.H.
2829
ENGELHARDT E.
2708
EPP D.J.
2024
EREN T.
1913
ERICKSON D.L.
2757
ERNST W.
2329
EVANS K.
2945
EVENSON R.E.
2499
EVEREST FRED H.
2445
EVERT F.
2174
EWEL J.
2330
FAIRFAX S.K.
2817
FAKHRUTDINOV F.F.
2507
FANDELI C.
2389

FANTA A.
2746
FARNWORTH E.G.
2286
FARRENKOPF T.O.
2594
FARRON J.P.
1855
FARRON L.
2192
FAVRE L.A.
1788, 2616, 2617
FAZIO J. R.
2291
FEARNSIDE P.M.
2638
FELT D.G.
2595, 2596
FENTON R.T.
2639
FERGUSON I.S.
2152
FERRELL WILLIAM K.
1901
FFOLLIOTT P.F.
2254, 2733
FFOLLIOTT PETER F.
2255
FICHTLER R.K.
2835
FIELD D.
2432
FIELD D.B.
2175, 2458
FIGHT R.
2962
FIRMANSJAH
2889
FISCHER F.
2193
FISH C. BEN
2030
FISHER RICHARD F.
1765
FITCH W.N.
2795
FITZSIMMONS W.
2765
FITZSIMMONS W.L.
2763
FLICK WARREN A.
1766, 2060
FLORAS RODAS M.A.
2783
FLORES RODAS M.A.
2227
FLORES-RODAS MARCO ANTONIO
2318
FOLEY GERALD
2130
FONTAINE R.
2228
FORNEY R.T.
1969
FOWLER JOHN M.
2534
FOX R.
1880
FRANZESE M.L.
2791
FRASER H.R.
2930
FRAUENDORFER R.
2278
FREE M.
2521
FREY U.
1931
FRONIUS K.
2906
FRUEHWALD A.
2556
FUKUDA MITSUMASA
2116
FUKUOKA KATSUYA
1856
FULTON MAX D.
2109
GABRIEL SAMUEL J.
2053
GAFFNEY M.
2674
GALE R.P.
2703
GALLAGHER PAUL
2158
GALLE M.
1972, 1973
GALSWORTHY A.M.J.
2121, 2909
GALVAO A. PAULO M.
1832
GARCIA MARGOT YVONNE WEAVER
2344
GARDNER J.A.F.
2712
GAROFALO M.A.
2063

GARRETT J.R.
2404
GASPERSIC F.
1789
GEISBACHER J.
2097
GELDART H.G.
2577
GELDHOF P.
1974
GERASIMOV I.P.
2031
GERHOLD H.D.
2848
GESSEL S.P.
2055
GHOSH R.C.
2931
GIBBS K.C.
2839
GILES R.H. JR.
1986, 2845
GILLIS P.
2598
GILLIVER R.S.
2525
GILTMIER J.W.
2784
GILTMIER JAMES W.
2256
GINNINGS J.M.
2920
GISLERUD O.
2131
GIURESCU C.C.
2194
GLASS M.
2121, 2909
GLASSFORD T.R.
2832
GLECKLER J.M.
2764
GLUCK P.
1891
GODFREY E.B.
2818
GOEBEL K.P.
2691
GOOR C.P.
1833
GOSS THOMAS A.
1981
GOTTFRIED G.J.
2618
GOVE J.H.
2450
GRACAN J.
2195
GRADIATSKAS A.I.
2196
GRAHN B.
1932
GRANDSTAFF TERRY B.
2390
GRANSKOG J.E.
2897
GRANT K.
2423
GRAY JAMES R.
2534
GRAY JOHN
2380
GRAYSON A.J.
2478
GREEN B.
2428
GREEN R.D.
2829
GREENE JOHN L.
1975
GREGERSEN H.
2655
GREGERSEN H.M.
1990, 2046
GREGERSEN HANS M.
1976
GREGERSON H.M.
2229
GREGOIRE T.G.
2450
GREIG P.J.
2382
GRIEDER E.P.
1931
GRIFFIN D.M.
2714, 2715
GRITZNER J.
2230
GUHA S.R.D.
2890
GUILLARD J.
1857
GUIRAUD C.
2846
GULDEMOND J.L.
2451
GULEW W.
2615
GUNDERMANN E.
2701

GUNDERMANN EGON
2041
GUNTER J.E.
2802
GUPTA T.
1834
GURUMURTI K.
2933
GUSTAFSSON L.
2341
GWINNER G.M.
2006
HAAS G.E.
2020
HACKETT R.L.
2597
HAFNER F.
2345
HAGESTEDT RICHARD
1901
HAGGSTROM B.
2619
HAGLER R.
2279
HAIGH J.A.
2346
HALFFTER GONZALO
2255
HALL D.O.
2542
HALL H.
2329
HALL S.
2329
HALL T.H.
2481
HALLETT R.D.
2061
HAM D.L.
2471
HAMMERLI O.
1964
HAMPTON LEONARD A.
1902
HANEY H.L.JR.
2802
HANEY HARRY L. JR.
1876
HANSOM O.P.
2518
HARDING D.
2801
HARDING D.M.
2025
HARDTMANN E.
2535
HARKIN D.A.
2692
HARMON M.E.
2430
HAROU P.
2771
HAROU P.A.
2659, 2763, 2765,
2775, 2834, 2866,
2867, 2939
HAROU P.A.W.
2766, 2868, 2929
HARRIS CHARLES C.
2040
HARUN A.
2391
HASEGAWA K.
2869
HASEL KARL
2257
HASHIZUME N.
2035
HASPEL A.E.
2841
HAUENSTEIN E.B.
2675
HAVELKA M.
1886
HAYLOCK E.
2576
HAYNES R.W.
1762, 1763, 2159,
2161, 2167, 2854
HAYNES RICHARD W.
2143, 2151, 2579
HEDLUND MARY S.
1775
HEIDARI HESHMATTOLAH
2469
HEIJ W.
1785
HEIKINHEIMO LAURI
2076, 2098
HEIKKILA E.
2103
HEILIGMANN R.
2851
HEINRICHS J.
2307
HELLES F.
2660, 2767
HELLES FINN
1753, 1977

HEMMINGS E.F.
2170
HENDERSON KRIMHILDE TRESCHER
2374
HENDREN K.H.
2651
HENRY J.
2544
HERO ALFRED O. JR.
2248
HERTER J.
1790
HERTIG H.P.
1887
HEWETSON C.E.
2640
HILBERT P.
2358
HILL D.
2197
HILMI H.A.
2741
HISADA K.
2869
HIZIGURO N.
1954
HODAPP W.
2661
HODGINS B.W.
2598
HOFER P.
2099
HOFFARD W.H.
2861
HOFLE H.H.
2747
HOFSTETTER H.
1965
HOGSGAARD O.
2359
HOLLANDER H.
2062
HOLM J.
1791
HOLM-OLSEN P.
2520
HOLMES G.D.
1858
HOLMES T.
2768
HOLMSGAARD E.
2392
HOOP D.W.
2128
HOOTS THOMAS A.
2408
HOOVER W.L.
2282, 2803
HORNGREN S.W.
2785
HORTON DONALD A.
2060
HOSKINS MARILYN W.
1914
HOTVEDT JAMES EDWARD
2466
HOUGHTALING T.W.
1990
HOUSLEY R.M.
2662
HOVIND H.J.
2601
HOWARD J.O.
2516
HOWE CHARLES W.
2319
HU S.C.
2007, 2958
HUBER R.M. JR.
2420
HUGHES J.D.
2620
HUGUET LOUIS
1859
HULA J.
1903
HUMMEL F.C.
2870
HUMPHREYS R.
2571
HUNTER THOMAS PARKIN CROOM
2580
HUTCHINS C.C.JR.
2583, 2963
HUTTUNEN T.
2144, 2941
HYDE W. F.
2379
HYPPONEN M.
2056, 2581
IACOB T.
2298
IAKUNIN A.G.
2496
IEVINS I.
1792
ILIEV K.
2511

ILIJA K.
2198
ILLYES BENJAMIN
2042
IMAMURA K.
2716
IMANAGA MASAAKI
2043
IRLAND L.C.
2347, 2458
IRLAND LLOYD C.
1767
IRONS P.
2521
ISENE H.H.
1904
ISHII Y.
2199
JAATINEN ESKO L.
2110
JACKSON BEN DOUGLAS
2572
JACKSON D.H.
2676
JACOBI WILLIAM R.
2073
JACQUIOT C.
2331
JAKES P.J.
2599
JAKES PAMELA J.
1768
JAMES L.M.
2815
JAMES N.D.G.
2200
JANEBA V.
2621
JARVELAINEN V.P.
2663, 2769
JAUFFRET-GUERIN H.M.
2277
JEAN B.
1835
JEVTIC M.
2201
JOEBSTL H.A.
2482
JOHANSSON P-O
2573
JOHANSSON PER-OLOV
2145
JOHNSON D.W.
2333
JOHNSON F.R.
2841
JOHNSON L.R.
1769, 2114
JOHNSON M.B.
2677
JOHNSON N.E.
2786
JOHNSON W.W.
2258
JONES J. G.
2177, 2362, 2383
JONES J. GREG
1906
JONG G.M.W.
1915
JONSSON K.
1905
JORDAN C.F.
2286
JOYCE P.M.
1999
JUBENVILLE ALAN
2021
JUGLART M.DE
2259
JULLANDER I.
2491
JUSLIN H.
2561
KAISER F.
2770
KAISER H. FRED
2044
KALGRAF KJELL
1991
KALIN W.
1793
KALKKINEN E.
1794
KALLIO EDWIN
1956
KALOUSEK F.
2334
KANKA MILAN
1860
KANT H.
2932
KANTOLA M.
1933
KAO CHIANG
2065, 2146
KARAILIEV E.
2562

KARAMERIS A.
2405
KARYONO
2393
KASAHARA R.
1953
KASHDAN L.
2652
KAUL R.N.
2933
KAVCIC S.
1916, 1992, 2202
KAYLL A.J.
2717
KEATING W.G.
2718
KELLER A.
2280
KELLEY LOIS MARIE
2472
KENNEDY JAMES J.
2217
KERESZTESI B.
1795
KERESZTESI BELA
2042
KERR E.
2688
KHAN A.A.
2000
KHANCHANDANI M.S.
2934
KI-ZERBO J.
2536
KIERULFF NIEL C.
2132
KIKUMA M.
2337
KILCHENMANN H.R.
1966
KIMBALL T. L.
2446
KINCAID D.B.
2750
KING A.
2537
KING K.F.S.
2900
KIRALYI E.
1861, 2077
KIRBY M.W.
2488
KITAO K.
1954
KLEMPERER W. DAVID
1987, 1993, 2066
KLEMPERER W.D.
2686, 2802, 2863
KLUENDER R.A.
2538
KMECL M.
1923
KNIGHT H.A.
2591, 2600
KNOPF RICHARD C.
2019
KNOTHE JERZY
1796
KNUDSON D.M.
2792
KOELLING M.R.
2815
KOHATA H.
2719, 2751
KOHLER VOLKER
2001
KOLOSOV V.S.
2896
KONCHEVSKAIA M.G.
2901
KOPRIVA S.
2206, 2624, 2739
KOSSATZ G.
2497
KOVACS K.
1755
KOVALICKY THOMAS J.
2038
KOZHUKOV N.I.
2896
KRMPOTICH STEVE
1862
KRNJAK T.
1863
KRONRAD G.
2771
KROTH W.
1877, 2699
KRUMPE E.E.
2825
KRUTILLA J.V.
2346
KRYGIER J.
1978
KUCERA J.
2475
KUCHLI C.J.
2231

KUDRLEOVA L.
1784
KUHN W.
2147
KUJALA M.
2204
KULA E.
2071
KULAKOV A.K.
1898
KUMAR RAJ
2149
KUO P.C.
1836
KURT A.
2203
KURTZ W.B.
2363, 2778
KUTZKY K.
2097
KYTTALA T.
2738
LAARMAN J.G.
2720
LAMB FRED MICHAEL
2308
LANLY J.P.
2586
LANTICAN D.M.
2309
LAPADAKIS J.
2687
LAPPING M.B.
2410, 2793
LARSON G.B.
2792
LARSON P.
2354
LATHAM R.P.
2964
LAUNDRIE J.F.
2226, 2244
LAVERGNE C.
2335
LAWTON R.M.
2641
LE BLANC E. J.
2492
LE MASTER D.C.
2348
LE RAY J.
2364
LE ROUX P.J.
2133
LEATHERBERRY EARL C.
2411
LEDIG F. THOMAS
2460
LEE J.K.
2921
LEE R. G.
2429
LEEK N.A.
1785
LEGG M.H.
2378
LEHIKOINEN TAPIO
2076
LEINONEN M.
2561
LEISZ D.R.
2394
LEMONS J.
2831
LENDERINK H.
2078
LEONT'EV P.
2418
LESLIE A.J.
1917, 2721
LEWIS D.
2770
LEYS H.
1955
LEZHEN V.I.
2883
LIMBURG STIRUM C.
1864, 1967
LIME D.W.
2836
LIME DAVID W.
2411
LIN W.J.
2664
LINDBERG R.D.
2601
LINDELL RICHARD THOMAS
2260
LINDSAY ROBERT C.
2162
LINDSTROM K.G.
2341
LINERT L.
2622
LINNARD W.
1946
LITTLE DENNIS L.
2380

LIU C.J.
2757
LIU S.H.
1797
LIZNA A.
2742
LLOYD P.J.
2152
LOBOVIKOV T.S.
2320
LOFGREN K-G
2276, 2573
LOFGREN KARL-GUSTAF
2148
LONKILA M.
2561
LONNSTEDT LARS
1918, 1991
LORENZEN C.C.
2946
LORENZEN U.
2660
LOSITSKII K.B.
2310
LOTHNER D.C.
2342
LOTHNER DAVID C.
1956
LUBKA L.
2794
LUCARELLI B.
2539
LUCAS R.C.
2412
LUCAS ROBERT C.
2032, 2038, 2039
LUGO ARIEL E.
2232
LUGOSI A.
2134
LUNDBERG L.
2563
LUNDGREN ALLEN L.
1899
LUPPOLD WILLIAM GEORGE
2575
LUST N.
1757, 2015, 2016
LYON K. S.
2582
MA SANG KYU
1938
MACBRAYNE C.G.
2772, 2810
MACCONNELL W.P.
2939
MACDONALD L.
2811
MACDONALD L.H.
2665
MACK R.J.
2483
MACKINNON J.
2734
MACLEAN J.
2849
MADEC J.H.
2365
MAHRER F.
2287
MAKKONEN OLLI
2340
MALCOLM D.C.
2067
MALINAUSKAS A.A.
2196
MALMBORG G.
2299
MAMMEN E.
1934
MANANDHAR P.K.
2726
MANN L.K.
2333
MANNING E.W.
1984
MANNING G.H.
2859
MANON-GARIBAY A.C.
2401
MANTAU U.
2564
MANUEL D.W.
2338
MARCHETTA JOANNE S.
2044
MARCIN T.C.
2922, 2923
MARKSTROM DONALD C.
2126
MARSZALEK T.
2463
MARTEN NEIL
1798
MARTIN NEIL R.
2010
MARTIN T.W.
2795

MARTON J.
2079, 2080
MASCARENHAS O.A.
1922
MASSEY JOSEPH G.
1896
MATHESON R.
2329
MATSUI MITSUMA
1799
MATTHEWS J.D.
1800
MATTILA E.
2204
MAURER J.C.
2602
MAWSON J.C.
2483
MAYDELL H.J.
2002
MAYER HANNES
2395
MAZURKIEWICZ K. L.
2383
MC CURDY D.R.
2902
MCCANN B.D.
2651
MCCARTY H.J.
2891
MCCLOSKEY M.
2760
MC^LURE J.P.
2600, 2861
MCCLURE JOE P.
1770
MCCOBB J.E.
2283
MCCONNELL K. E.
2444
MCCOOL S. F.
2413, 2438
MCCOOL STEPHEN F.
2415
MCELROY J.
2903
MCELROY J.E.
2904, 2905
MCEVOY T.J.
2508
MCGAUGHEY S.E.
1994
MCGAUGHEY STEPHEN E.
1995
MCGAW C.
1880
MCGILLVRAY R.
2773
MCGUIRE J.R.
2752
MCGUIRE JOHN R.
1952
MCKETTA C.W.
2678
MCKILLOP WILLIAM
2579
MCKNIGHT T.S.
2090
MCLELLAN R.W.
2378
MCMANUS KAREN R.
1906
MCMINN J.W.
2135
MCMINN JAMES W.
2540
MEEKS GORDON JR.
2366
MEIER R.L.
2539
MELHUISH A.D.
1837
MERCADO ROBERTO SAMANEZ
2500
MERGEN F.
2233
METRO LAURA J.
2452
MICKO M.M.
1758
MIEGROET M.
1801, 1957
MIES W.
2521
MIKOLASKI L.
2100
MILITON J.
2367
MILLER R.W.
2453
MILLER ROBERT
1865
MILLER TAYLOR O.
2252
MILLER W.F.
1988
MILLS W.L. JR.
2803

MILLS WALTER LAIN JR.
2384
MILNE G.R.
1878, 2876
MILNE GRANT R.
1771
MITCHELL A.
2905
MITCHELL C.J.
2450
MITCHELL T.
2851
MITRA S.K.
2512
MIYATA EDWIN S.
2127, 2513, 2514
MLINSEK D.
1924
MNZAVA E.M.
2541
MOELLER G.H.
2850
MOERKVED K.
2119
MOGREN PAUL ANDREW
2349
MOHR C.
1966
MOISEEV N.A.
2068
MOLINA E.
2642
MONAGHAN T.
2368
MONTGOMERY A.A.
2877
MONTGOMERY ALBERT A.
2092
MOON G.C.
2796
MORE THOMAS A.
2047
MORO J.
2103
MORROW RONALD A.
2454
MOSHOFSKY W.J.
2787
MUHLMANN R.
2396
MULLANEY GARY E.
1979
MULLINS E.J.
2090
MUMTAZ M.
2891
MUNRO D.
2311
MUNRO JOHN A.
1771
MURPHY DENNIS L.
2081
MURRAY B.R.
2008, 2009
MURRAY T.S.
2061
MUTHOO MAHARAJ K.
2385
NAEGELI G.
1866
NAUTIYAL J. C.
2467
NAUTIYAL J.C.
2648, 2965
NAVON D.I.
2603
NEFF JEFFREY W.
2312
NEGRUTIU F.
1925
NEIDICH G.
2281
NETTO S.P.
2643
NEVEL ROBERT L. JR.
2123, 2124
NEVOLIN O.A.
2313
NEWPORT C.A.
2350
NEWTON J.P.
1989, 2812
NEWTON JOHN P.
1802, 1935
NICHOLSON W.E.
2856
NIELSEN D.B.
2818
NIESSLEIN E.
2735
NILSSON S.
2173
NISSEN N.E.
1772
NOAK D.
2556
NOBLE B.F.
2795

NODINE S.K.
2774
NORMANDIN D.
2761
NORONHA RAYMOND
2136
NORRIS G.W.
1838
NOSHTEV V.
2407
NOVACEK M.
2473
NOVAK A.
1803
NOVOTNY V.
2623
NUTTALL R.E.
2218
NUTTER WADE L.
2540
NYSTROM PEGGY S.
2437
NYYSSONEN A.
2314
O'BRYEN R.J.C.
1867
O'KEEFE P.
2138
O'KEEFE T.G.
2234
O'LAUGHLIN JAY
2091
O'LAUGHLIN JOHN JEROME III
2504
O'TOOLE R.
2700
ODERWALD RICHARD G.
2112, 2139
OGAMBO-ONGOMA A.H.
1839
OHYAMA H.
2035
OKA A.G.
2935
OKADA A.
2205
OKAFOR J.C.
2553
OLEMBO R.J.
1839
OLSEN ROBERT A.
2160
OLSON J.T.
2758
OMER S.E.
1840
ONDRO W.J.
2107, 2503
OSBORNE J.
2329
OSTEEN C.
2397, 2871
OSTROM ARNOLD J.
1773
OSWALD D.D.
2589, 2590, 2603
OTTO H.J.
1759
OTTO W.M.
1919
PAJUNEN L.
2744
PALASHEV I.
2406
PALM S.L.
2342
PALZ W.
2542
PAMPE J.
1804
PANDOLFO CLARA
2219
PANT M.M.
1841, 1888, 1907,
1926, 1949, 1950,
1980, 2069, 2142,
2153, 2936
PAPANEK F.
2235
PAPANEK FRANTISEK
2003
PARK TAI SIK
1884
PARKER R.C.
2368
PATZAK W.
2137
PAUL D.K.
2748
PEDERSEN A.M.
1908
PERHUNTANI P.
1842
PETERS F.H.
1843
PETERSEN M.E.
2839
PETERSEN MARGARET
2419

PETERSON C.S.
2753
PETERSON G.L.
2836
PETERSON R. MAX
2300
PETTERSSON B.
2341
PETTINGER LAWRENCE R.
2029
PFYFFER B.
1805
PHELPS R.B.
2565
PHILLEY M. P.
2413
PIDOT J.R.
2666
PINTER F.
1909
PINTO A.B.
2063
PLANK M.E.
2484
PLIBERSEKOVA L.
2206, 2624, 2739
PLOCHMANN R.
2701
PLOCHMANN RICHARD
2057
PLUMMER CATHERINE PHILLIPS
2261
PLUMWOOD V.
2644
PODGORSKI M.
1786
POHORELY M.
2485
POLAK O.
1889
POLENO Z.
2022, 2414
POLLITZER S.
2522
POORE M.E.D.
2709
POPELAR V.
2206, 2624, 2739
POPKIN A.B.
2262
PORTER CARL D.
2139
PORTERFIELD RICHARD L.
2120, 2460
POSPISIL F.
2475
POST H.A.
2908, 2910-2912,
2916
POULIN JEAN-NOEL
1774
POULSEN G.
2645
POURTALES F. DE
2171, 2315
POWELL D.S.
2604
PRATS LLAURADO J.
2667
PREOBRAZHENSKII V.S.
2031
PREVOSTO M.
2566
PROCHAZKA I.
2872
PRODAN M.
2301
PROPST D.B.
2427
PUTTOCK G.D.
2679
QUICK J.R.
2386
QUICK T. RICHARD
1775
RADCLIFFE S.J.
2567
RADCLIFFE SAMUEL J.
2156
RAGAZ C.
1868
RAILE G.K.
2605
RAJPUT S.S.
2890
RAMACHANDRAN P.G.
2236
RAMSAY K.J.
1936
RANDALL A.
2263
RANDALL R.M.
2343
RANDALL ROBERT M.
2070
RANFELT L.W.
1806
RANGES-SAPLACO M.
1892

RANKIN J.M.
2638
RAO Y.S.
1837
RAPHAEL RAY
2264
RAVUSSIN H.
2360
REDDY C.V.K.
2937
REEVES H.C.
2292
REEVES J.B.
2292
REILLY J.J.
2461
REIMERS M.A.
2668
REZNIKOVA A.S.
2554
RHA SANG SOO
1884
RICH STUART U.
2163, 2164
RICHARDS E.G.
2884
RICHARDSON D.
2543
RICHARDSON MARY LOU
2082
RIEDER M.
2048
RIEMANN K.
1869
RIIHINEN PAIVIO
1879, 1920
RISBRUDT C.D.
2942
RIVERS M.J.
2812
ROBBINS J.F.
2775
ROBINSON VERNON L.
1979, 2092
ROCHE L.
2316
ROCHOT A.
2749
ROCKELL J.D.
2631
RODRIGUES M.
2063
ROGET EINAR L.
1807
ROGGENBUCK J.W.
2833, 2837, 2838
ROLLET B.
2501
ROMANOV G.N.
2176
ROOME N.J.
2439
ROSE DIETMAR W.
1897
ROSE R.
2844
ROSENTHAL J.C.
2797
ROSNER M.H.
2680
ROSSI D.
2024
ROUTLEY R.
2644
ROWNTREE R.A.
2455
ROY C.
2369
ROYER JACK P.
1981
ROZSNYAY Z.
2036
RUBLE B.A.
2736
RUDERMAN F.K.
2878, 2879
RUDERMAN FLORENCE K.
2093, 2094
RUDIS V. A.
2177, 2493
RUDIS V.A.
2917, 2966
RUDOLPH TONI
2375
RUDOLPH V.J.
2758, 2815
RUPRICH J.
2722, 2743
RUPRICH JIRI
2058
RUSCH W.
2265
RUSSEL B.P.
2356, 2357
RUSSELL C. S.
2447
RUZICKA I.
2111

SAASTAMOINEN O.
2813, 2827
SABADI R.
2101
SABADI RUDOLF
2154
SACKSTEDER C.J.
2848
SADAR V.
1844
SAGL W.
2317
SAGL WOLFGANG
2083
SALAZAR A.P.
2420
SALEM B. BEN
1845
SALI E.
1808
SALINS Z.
2723
SALMINEN M.L.
1942
SALO D.
2544
SALO E.
2776
SAMPSON GEORGE R.
2082
SANGAL P.M.
2237
SANVICTORES E.F.
2892
SARMA B.S.K.
2938
SASSAMAN ROBERT W.
2070
SATJAPRADJA O.
2443
SATTERLEE R.
1776
SAUCIER JOSEPH R.
1770
SAUNDERS B.
2705
SCHALLAU C.H.
1996
SCHELLER D.
2062
SCHMIDT RALPH
2232
SCHMITHUSEN FRANZ
1870
SCHOLL M.
2544
SCHOMAKER J.H.
2832
SCHOULTZ H.
1910
SCHREINER E.G.S.
2824
SCHREYER R.
2441
SCHUETT P.
2474
SCHULER A.
2207
SCHUSTER E.G.
1871
SCHWAAR J.
1846
SCHWARZBART G.
2488
SCHWEITZER D.L.
2865
SCHWEITZER DENNIS L.
1852
SCHWEIZERISCHER FORSTVEREIN
1817, 1962, 1964,
1965
SCHWNKE K.T.
1885
SEAL D.T.
1787, 1809
SEBIRE R.A.
2238, 2646
SEDJO R.A.
2568, 2574
SEDJO ROGER A.
2155, 2156
SEGEBADEN G. VON
2302
SEIP H.K.
1760, 1939
SELL J.L.
2842
SELLAEG H.
1940
SEMRINEC J.
1943, 1944, 2724
SETH S.K.
2398
SHAH S.A.
1921
SHAIKH A.
2354
SHAKOW D.
2138

SHANDS W.E.
2266
SHECHTER MORDECHAI
2039
SHEFFIELD R.M.
2178, 2606
SHEFFIELD RAYMOND M.
1764, 1777, 1778,
2049
SHELBY B.
2839
SHEPHERD K.R.
2727
SHIMADA K.
1953
SHINGI P.M.
2293
SHRIMPTON D.M.
2860
SIEBENBURGER F.
1982
SIEGEL W.C.
2284, 2675, 2688
SIEGEL WILLIAM C.
1883
SIEVANEN T.
2827
SIEVERT R.
2851
SIKKEL D.
1810
SILIM SALIM
1998
SILVERSIDES C.R.
2545
SIMARD A.J.
2857
SINGH K.D.
2586
SINIAKEVICH I.M.
2166
SINITSIN S.G.
2068
SINYAKEVICH I.M.
2400
SIRAKOV KH.
2486
SKORUP V.
1811
SLAMA O.
2587
SLANGEN L.H.G.
1985, 2128
SLIVKA J.
2084
SMALL B.E.J.
2940
SMALL D.
2017
SMATHERS W.M.
2286
SMITH A.C.
2838
SMITH B.
2321, 2322
SMITH B.N.P.
2323
SMITH L.S.
2908, 2910-2912,
2957
SMITH M.G.
2239
SMITH W.
2089
SMITH W. BRAD
2122, 2526
SMITH W.B.
2599, 2605
SMITH WILLIAM BRAD
1779
SMOLEJ I.
1812
SNIDER G.B.
2267
SOEKARTIKO B.
2399
SOGUNLE A.
2647
SOLBERG B.
2324
SOMMER A.
2728
SONNENFELD JEFFREY ALAN
2288
SOOS G.
1813
SORAN V.
2332
SORG J.P.
2729
SORHUUS O.
2523
SOWLES KENNETH MERVIN
2240
SPEARS J.
2325
SPEARS J.S.
2241
SPEARS JOHN S.
2004

SPEER J.
2303, 2814
SPEIDEL G.
2667
SPELTER H.
2487, 2923
SPENCER J.S.JR.
2607
SPENCER JOHN S. JR.
1780
SPETH L.E.
2753
SRIVASTAVA B.P.
1949, 1950
SRUT G.
2336
STAIRS G.R.
2268
STANKEY GEORGE H.
2421
STAUFFER A.
2370
STAUFFER A.J.
1902
STEELE R.C.
1927
STEINHAUSER U.
2661
STEINHILB HELMUTH M.
2513, 2514
STEINLIN H.
1761
STELIAM S.
2063
STERRETT V.J.
2596
STEVENS J.H. JR.
2774
STEVENSON G.R.
2107, 2503
STEWART H.M.
2107, 2503
STIER J.C.
2179, 2285, 2681,
2682, 2689, 2693-
2695, 2880
STINE S.E.
2798, 2799
STOIANOV N.
2339
STOILOV D.
2407
STOLTENBURG C.H.
2800
STOLZ ROBERT
2505
STONE E.C.
2416
STONE E.L.
2788
STONE R.N.
2942
STONE ROBERT N.
1756
STOUT D.
2831
STRANGE JAMES D.
2092
STRANGH L.
2947
STREATFIELD G.
2537
STROMBERG L.L.
2430
STRYKOWSKI W.
1941
STUART T.W.
2409
STUART WILLIAM B.
2112, 2139
STUEWE E.
2661
SULLIVAN C.R.
2180
SULLIVAN J.
2939
SUNDSTROM-FRISK C.
2341
SURI S.K.
2113
SVANQVIST N.H.H.
2224
SVANQVIST NILS
2225
SZABO J.
2208
SZODFRIDT I.
2209
TANDY C.R.V.
2037
TARAN I.V.
2456
TAYLOR B.W.
2242
TAYLOR GEORGE F. II.
1847
TAYLOR J.G.
2842

TEDDER P.L.
2856
TEDDER PHILIP L.
2459
TEEGUARDEN D.E.
2351, 2669
TEEGUARDEN DENNIS E.
2033
TERPSTRA ROBERT H.
2160
TEWARI R.N.
1922
TEWARI RAJENDRA N.
1872
THEGE P.A.
1932
THIRGOOD J.V.
2620, 2625
THOMASIUS H.
1848
THOMPSON R. P.
2362
THOMSEN J.
1911
THOMSON G.W.
2181
THOMSON J.T.
2546
THOR E.C.
2409
THORNE I.D.P.
2777
THORNTON PHILIP L.
1807
THRUPP ANN
2289
THURMES J.F.
2863
TIDRICK T.H.
2286
TILLMAN DAVID ASHLEY
2547
TIMSON FLOYD G.
2115
TISSEVERASINGHE A.E.K.
2085
TIWARI D.W.
2569
TOMBAUGH LARRY W.
1756
TONIUC N.
2332
TORELL A.
2404
TORRENCE J.F.
2670
TOWNSEND JEFFREY L.
1981
TRAKOLIS D.
2025
TRAMPLER T.
1814
TROKEY C.B.
2778
TROUSDALE D.
2948
TSURUTA I.
2632
TSYMEK A.A.
2442
TUFAIL M.
2891
TUNAK S.
2210
TUPITSYA Y.Y.
2400
ULLRICH JAMES R.
2425
ULRICH A.H.
2494, 2881
UTTER JACK
2415
UUSITALO M.
1815
VACLAV VLADIMIR
1816
VALFER E.S.
2488
VAN BUREN ARIANE
2130
VAN HOOK R.I.
2333
VAN MIEGROET M.
2016
VAN WAGTENDONK J. W.
2440
VANDERMILLEN E.J.
1947
VANHANEN H.
2744
VASIEVICH J.M.
2854
VASILEVSKII A.B.
2211
VAUGHAN W. J.
2447
VELDHUYZEN C.J.
1961

VENESS J.C.
2121, 2909
VERHEGGHEN J.F.
1801
VERNEY R.B.
1928
VERTRIEST I.
2026
VICK G.L.
2179
VILLA-SALAS A.B.
2401
VINS B.
2475
VLAHOVICH VLADIMIR
2555
VODAK M.C.
2758
VOGEL P.
1817, 1968
VOLLMER U.
2269
VON GADOW K.
2489
VON SCHROTTENBERG F.
1893
VUORIVIRTA J.
2776
VYSKOT I.
2018
VYSKOT M.
2212, 2633
WADWALKAR S.
2293
WAGAR J. ALAN
2052
WAGAR J.A.
2449
WAHLGREN H.E.
2226, 2244
WALBRIDGE THOMAS A.
2139
WALDROP M.M.
2548
WALKER E.W.
2648
WALKER L.C.
2608, 2737
WALL BRIAN R.
1781
WALL P.
2828
WALLACE W.L.
2174
WALLACH B.
2509
WALLINGER R.S.
2671
WALSH J.P.
2086
WARING L.
2104
WASHBURNE R.
2828
WASHBURNE RANDEL F.
2422
WEATHERHEAD D.J.
2779
WEBER A.
2140
WEBER H.
2213
WEDUL K.
1818
WEINER D.
2138
WEITZSTEIN M.E.
2829
WELLMAN J.D.
2833, 2838
WENDLING ROBERT C.
2053
WENSEL L.C.
2409
WERGENS B.
2102
WEST D.C.
2333
WEST P.C.
2819, 2840
WEST PATRICK C.
2027
WESTOVER T.N.
2822
WETTON F.
2609
WHALEY R.S.
2710
WHEATCRAFT A.M.
2371
WHEELER C.D.
2387
WHISNANT MARY SUSAN
2352
WHITE R. G.
2441
WHITEHEAD DAVID
2462

WHITMORE J.L.
2226, 2244
WIBERG A.
2276, 2295, 2530, 2563
WICKI C.
2213
WIENER A.A.
2754
WIERSUM K.F.
2402
WIERZBICKI A.
2182
WIJNGAARD J.K.R. VAN DEN
1819
WIKSTROM J.H.
2183
WILDERMUTH D.W.
2902
WILFING L.
2208
WILLIAM P.
2515
WILLIAMS H.J.
2801
WILLIAMS M.R.W.
2873
WILLIAMS W.R.
2121
WILSON K.W.
1820
WILSON LOWELL
2010
WILSON R.
2329
WINSAUER SHARON A.
2514
WINTERBOTTOM R.T.
2243
WIROATMODJO P.
2224
WIRTH M.E.
1996
WISEMAN A.C.
2574
WISHART J.E.
2789
WITHYCOMBE R.P.
2898
WOLF ROBERT E.
1873
WOLFE J.L.
2455
WOMBLE P.
2431, 2432
WOODEN A.
2687
WORTH HAROLD E.
2125, 2126
WU S.C.
1821
WUNSCH KLAUS
2059
WUOLIJOKI ERKKI
1945
YINGVANSIRI THANIT
1849
YOUNG J.D.
2626
YOUNG R.A.
2172, 2725
YOUNGQUIST J.A.
2919
YUNOV V.I.
2468
ZERBE J.I.
2226, 2244, 2549
ZERBE JOHN I.
2141
ZHELIBA B.N.
2490
ZIBERNA F.
2949
ZILLIEN F.
1948
ZOLLNER JACK
2089
ZUBE E.H.
2842
ZUMER-LINDER M.
1958
ZUNDEL R.
2257
ZUPANCIC M.
1890, 1894, 2169